



Commercial Swimming Pool Equipment Catalog

Welcome to Lincoln!

We appreciate the opportunity to serve you. We are very aware there is one reason why we are one of the largest swimming pool equipment distributors in the country, and that reason is you!

Since 1954, Lincoln Aquatics has served commercial swimming pool operators like you. We have built our reputation by carrying the highest quality products, which are available through our more than 350 distribution centers nationwide. We have the products you need, stocked and ready to deliver to your facility.

Our Lincoln catalog contains the most comprehensive selection of high-quality swimming pool equipment, chemicals, and aquatic supplies available in the industry today. We have organized our catalog in an easy-to-use format that will help you quickly locate the products you need. The Lincoln name is recognized for providing customers with quality products and superior service, at competitive prices.

Due to space limitations and the technical nature of many of our products, it is not possible to have them all listed in our catalog. Our website, www.lincolnaquatics.com, includes additional items we are not able to list here. We currently carry more than 120,000 products, manufactured by over 900 different vendors. We can provide you with detailed manuals, parts lists, and brochures, for each of the products we carry.

Customer satisfaction remains our top priority. Our knowledgeable staff is available to serve you and answer any questions you may have. We appreciate your business and pledge to do our best to meet your needs and exceed your expectations.

We look forward to being your supplier now and in the future!

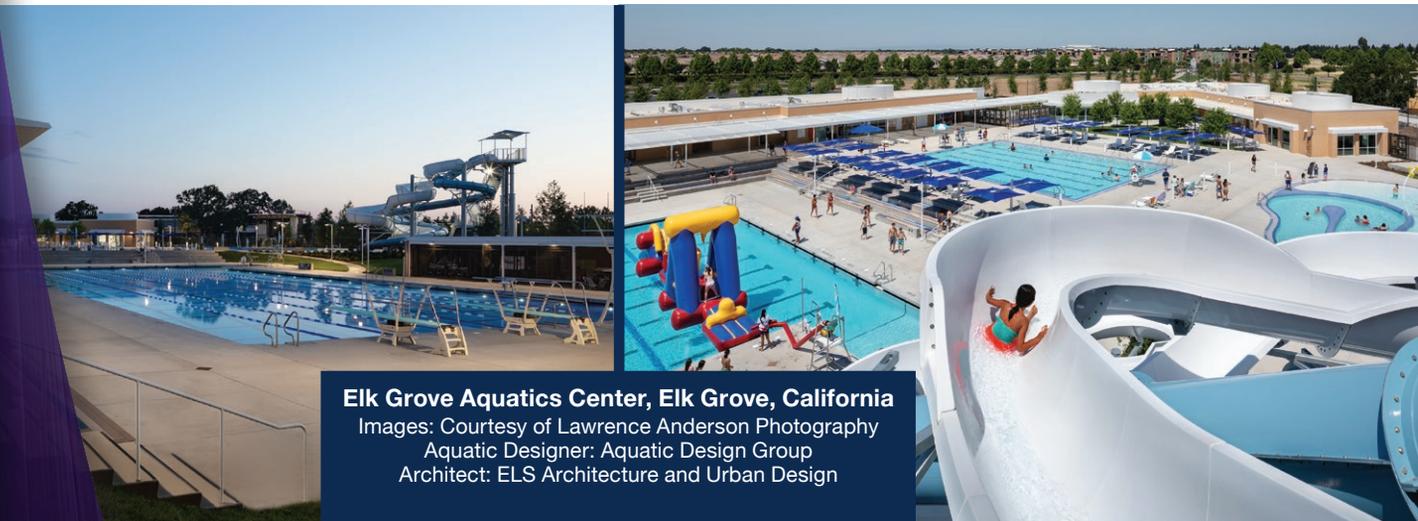
Sincerely,



Charles R. Luecker
Director of Commercial

CALL TOLL FREE
(800) 223-5450 FAX (888) 680-2825
www.lincolnaquatics.com

\$8.00



Elk Grove Aquatics Center, Elk Grove, California
Images: Courtesy of Lawrence Anderson Photography
Aquatic Designer: Aquatic Design Group
Architect: ELS Architecture and Urban Design

TERMS AND CONDITIONS

PRICES: Prices are subject to change without notice. Please call us to confirm pricing before ordering. All prices are F.O.B. shipping point, unless otherwise stated.

MINIMUM ORDER: \$50.00 (\$5.00 minimum order charge for orders less than minimum, excluding freight and taxes.)

TERMS: Net 30 days.

CREDIT POLICY: Credit accounts will be extended with an approved credit application. New accounts without prior credit approval will be shipped C.O.D. or on a cash before order basis. For your convenience, we also accept credit cards. Custom orders are noncancellable and may require a deposit. All past due invoices will carry a service charge of 1 1/2% per month (18%) per annum. Any past due account will be turned over to a third party for collection, in which case the purchaser agrees to be responsible for all costs of collection and reasonable attorney's fees.

TAXES: All sales are subject to state and local taxes, where applicable.

TRANSPORTATION: All orders are shipped via the best possible carrier. Air freight or other special handling for rush shipments is available upon request.

TRANSPORTATION CLAIMS: If any merchandise is damaged or lost in transit you must report it within the time limit and according to the regulations allowed by the carrier. LTL shipments must be inspected for missing or damaged items at the time of receipt. We are not responsible for anything that is not reported at the time of delivery.

HANDLING CHARGE: Handling charge of \$5.00 is added to each order, to offset costs associated with order processing, packaging, shipping, returns, and exchanges.

RETURNED GOODS: Merchandise returned for credit must be mailed with a returned goods authorization number clearly marked on the outside of the package. You will be given an authorization number when you contact us to arrange a return. All merchandise must be returned freight prepaid. Authorized returns must be in original condition and are subject to a restocking fee. Custom ordered merchandise and chemicals are nonreturnable. All returns must be made within 30 days.

CONTENTS

CHEMICALS	6-13
FILTER MEDIA	7
CHEMICAL FEED/SANITIZATION SYSTEMS	14-40
Chemical Controllers	14-16
Chlorinators/Chlorine Generators	17-24
Ultraviolet Systems.....	25-26
Sanitization Systems	27-28
Carbon Dioxide Systems	29
Chemical Feed Pumps & Accessories.....	30-37
Chemical Storage.....	38-40
MECHANICAL EQUIPMENT	41-77
Variable Frequency Drives	41
Pumps & Strainers	42-49
Filter Systems & Accessories	50-57
Flow Meters & Flow Control	60-61
Valves & Plumbing Fittings.....	62-63
Main Drains, Fittings & Skimmers.....	64-70
Heating Systems & Energy Efficiency	71-77
GUTTERS & GRATING SYSTEMS	78-81
TEST KITS AND REAGENTS	82-88
CLEANING EQUIPMENT	89-100
Pool Vacuums & Accessories	89-96
UNDERWATER LIGHTS & ELECTRICAL ACCESSORIES	101-105
DECK EQUIPMENT	106-119
Diving Stands & Diving Boards.....	106-110
Ladders & Handrails.....	111-114
Guard Chairs & Stands	116-119
LIFEGUARD, RESCUE & SAFETY	120-141
Lifeguard Apparel	120-121
Lifeguard Supplies.....	122-125
Life Vests & Life Jackets	126
Rope, Floats & Anchors.....	127
Signs	128-132
Rescue Equipment	133-138
Safety Equipment	139-141
COMPETITIVE EQUIPMENT & SWIM TRAINING	142-163
Racing Lanes & Storage Reels	142-146
Starting Platforms & Accessories	147-152
Pennants & Stanchions	152-153
Bulkheads & Swimwall Systems.....	154-155
Swim Training & Training Aids	156-159
Pace Clocks, Starting Systems & Timing Systems	160-163
WATER POLO	164-167
GAMES & WATER PLAY	168-182
Games & Swim Toys.....	168-171
Tubes, Noodles & Foam Toys	172-175
Inflatable Structures	176-177
Water Sports & Paddle Boards	175
Water Slides, Interactive Play, & Climbing Walls	178-182
SWIMMING POOL COATINGS & COMPOUNDS	183-187
LOCKERS & LOCKER ROOM SUPPLIES	188-193
OUTDOOR FURNITURE & SITE FURNISHINGS	194-210
Outdoor Furniture	194-201
Tables, Benches & Bleachers	202-205
Umbrellas & Shade Structures	206-208
Outdoor Heating.....	209
Trash Containers	210
Specialty Equipment	211
AQUATIC ACCESSIBILITY	212-219
Pool Lifts	212-217
Therapy Ladders	218
Wheelchairs.....	219
WATER EXERCISE EQUIPMENT & GEAR	220-223
POOL COVERS & STORAGE REELS	224-231
INDEX	232-235
USEFUL DATA	INSIDE BACK COVER



A **WINNING** TEAM



*Committed
to your pool.*



(800) 223-5450
www.lincolnaquatics.com



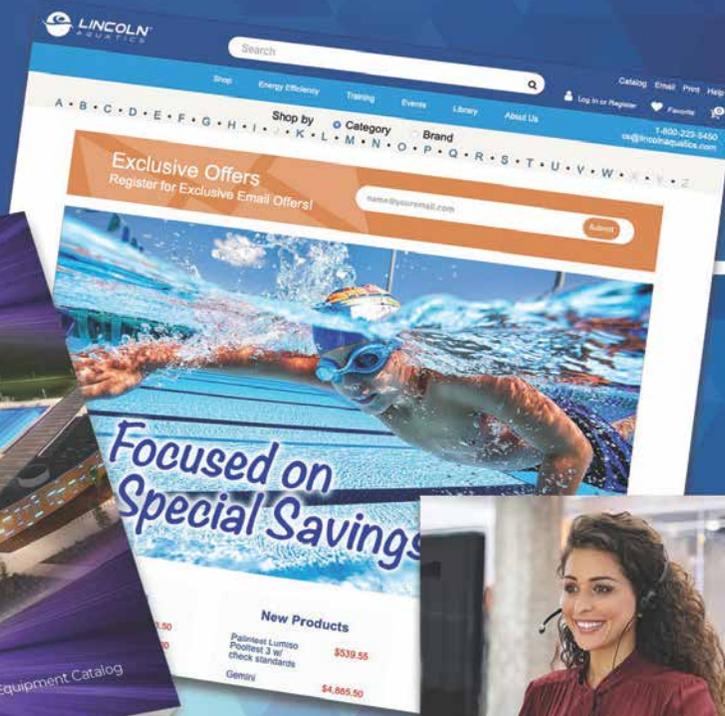
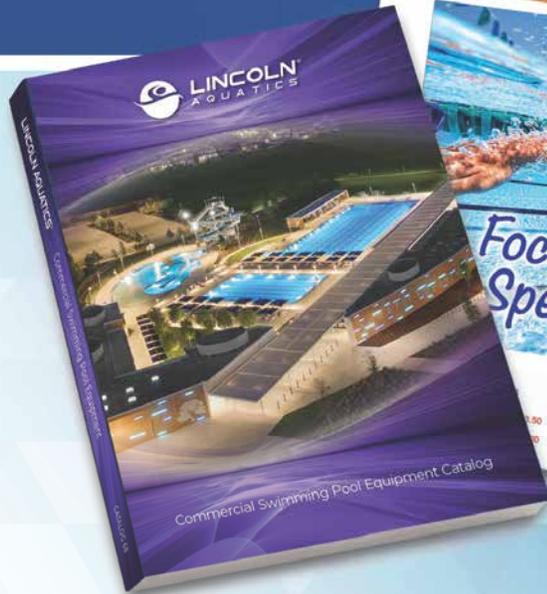
PRODUCTS YOU WANT. SERVICE YOU NEED.

New and improved product selections and better access for faster delivery. No one beats our nationwide distribution capabilities, extensive facilities, fleet of trucks, and most importantly, our knowledgeable people that go above and beyond to give you excellence in service.

- ◆ We understand what you're looking for... hard-to-find items, no problem.
- ◆ We don't just sell the products you purchase from us, we service them too.
- ◆ Extensive inventory and access to over 900 manufacturer's products.
- ◆ View and download our full-line catalog, current product special flyers, or contact us for your own printed catalog.
- ◆ Request and receive quotes online.
- ◆ Get answers to your specific questions.
- ◆ We're here when you want us!
- ◆ Review your account history for orders, invoices, quotes and much more.

- ◆ 350+ DELIVERY LOCATIONS NATIONWIDE
- ◆ 120,000+ AVAILABLE PRODUCTS
- ◆ NATIONWIDE SERVICE CAPABILITIES
- ◆ KNOWLEDGEABLE STAFF





EASY ORDERING. FAST DELIVERY.

Whether by phone, fax or online, your product order is processed, shipped and delivered securely and quickly.

- ◆ Most products shipped same day or next day.
- ◆ Expedited shipping to meet any need.
- ◆ Direct, secure online shopping link to our extensive catalog.
- ◆ We're ready when you are!

Online. Anytime.
Over 120,000 products
for your aquatic needs.



1-800-223-5450
 1-925-687-9500 International
 4:00 AM-4:30 PM Pacific



1-888-680-2825
 24 Hours a Day, 7 Days a Week



www.lincolnaquatics.com
 24 Hours a Day, 7 Days a Week
 cs@lincolnaquatics.com



LINCOLN[®]
AQUATICS

LINCOLN AQUATICS

2051 Commerce Avenue, Concord, CA 94520
 ph (800) 223-5450 / fax (888) 680-2825
 int'l (925) 687-9500
 cs@lincolnaquatics.com

(800) 223-5450
www.lincolnaquatics.com

Chemicals



SANITIZERS

SODIUM HYPOCHLORITE — Liquid pool bleach, 12.5% strength. pH 13.0. Plus deposit and drum cleaning charges.

4X1 GALLON CASES

Item	1-99 Cases	100+ Cases
Deposit	01-020	01-025
No Deposit	01-027	01-028

DRUMS & CARBOYS

Item	1-4	5-9	10+
5 Gallon Carboy	01-030	01-035	01-040
15 Gallon Carboy	01-045	01-050	01-055
30 Gallon Carboy	01-060	01-065	01-070
53 Gallon Drum	01-086	01-087	01-088

- 01-091 330 gallon tote
- 01-090 Bulk Delivery



CCH CALCIUM HYPOCHLORITE TABLETS
68% Available Chlorine.

Item	Description	Size
01-150	CCH A300 Tab, 50 lb.	2 5/8" dia.
01-160	CCH Elite Tab, 45 lb.	1" dia.
01-155	CCH Endurance Tab, 25 lb. Class 2 Oxidizer	2 5/8" dia.
01-102	CCH Tab, 50 lb.	3" dia.

VERSACHLOR CUBE TABLETS — Calcium Hypochlorite tablets for use with VersaChlor Feeders.

- 01-125 37.5 lb. pail

SHOCKWAVE GRANULAR — Calcium hypochlorite. 68% Available Chlorine.

- 01-097 50 lb. pail
- 01-100 100 lb. pail



01-114
PULSAR PLUS BRIQUETTES — A specially blended form of calcium hypochlorite, 65% available chlorine, pH 11.5. Patented Briquettes contain additive to reduce scaling and dissolve uniformly to provide steady chlorination. **Available in California, Northern Nevada, Western Washington, and Oregon.**

- 50 lb. drum
- 01-110 1-8 drums
- 01-111 9-23 drums
- 01-112 24 or more drums
- 100 lb. drum
- 01-114 1-4 drums
- 01-115 5-15 drums
- 01-116 16 or more drums

PULSAR INFINITY TABLETS

- 01-113 25 lb. pail



PULSAR PLUS ACID CLEANER — Safely removes scale and residue from Pulsar feeders.

- 08-040 1 quart



- 01-119
- 01-145

S.D.I.C. — Sodium Dichloro-iso-cyanurate. 95% active ingredients, 56% available chlorine, with conditioner. pH 11.0. Granular, completely soluble in water.

- 01-119 25 lb. pail
- 01-120 50 lb. pail

TRICHLOR — Trichloro-s-triozinetrione. 95% active ingredients, 90% available chlorine with conditioner, pH 2.8.

- 01-135 25 lb. pail 1" tablets
- 01-144 25 lb. pail 3" tablets
- 01-145 50 lb. pail 3" tablets
- 01-152 275 lb. drum 3" tablets



- 01-162
- 01-165

BROMINE — Bromine tablets for use in pools or spas. Sanitizer stays effective even when in combined state. 100% active ingredients. 64.9% Active Bromine, 29% Active Chlorine, pH 7.4.

- 01-162 25 lb. pail, 1" tablets
- 01-165 50 lb. pail, 1" tablets



- 01-180
- 01-205

pH CONTROL

SODA ASH — 58% Sodium Oxide, raises pH, granular, light.

- 50 lb. Bags
- 01-180 1-19 bags
- 01-185 20 or more bags

BICARBONATE OF SODA — Raises pH and increases total water alkalinity. 1½ lbs. raises alkalinity 10 ppm per 10,000 gallons.

- 50 lb. Bags
- 01-205 1-19 bags
- 01-210 20 or more bags

SODIUM SESQUICARBONATE — 48% soda ash, 36.5% bicarbonate of soda, raises pH and alkalinity. 50 lb. bags.

- 01-228 1-19 bags
- 01-229 20 or more bags

CARBON DIOXIDE — CO₂ lowers pH by creating Carbonic Acid. 50 lb. cylinder plus cylinder rental and HAZMAT charge.

- 01-360 1-2 cylinders
- 01-365 3-9 cylinders
- 01-370 10 or more cylinders
- 01-375 Bulk Delivery - Carbon Dioxide



- 01-356

SODIUM BISULFATE — Dry acid. Lowers pH and reduces total water alkalinity. 2½ lbs. lowers alkalinity 10 ppm per 10,000 gal. of water.

- 01-356 50 lb. bag

MURIATIC ACID — 31.5% strength Hydrochloric Acid. Lowers pH and Alkalinity. Can also be used for cleaning surfaces, etching pools prior to painting, and etching concrete decks. Plus deposit and drum cleaning charges.

4X1 GALLON CASES

Item	1-99 Cases	100+ Cases
Deposit	01-280	01-285
No Deposit	01-286	01-287

DRUMS & CARBOYS

Item	1-4	5-9	10+
5 Gallon Carboy	01-290	01-295	01-300
15 Gallon Carboy	01-305	01-310	01-315
30 Gallon Carboy	01-320	01-325	01-330
53 Gallon Drum	01-346	01-347	01-348

- 01-351** Bulk Delivery - 7% strength
- 01-350** Bulk Delivery - 15% strength
- 01-352** Bulk Delivery - 31.5% strength



ACID MAGIC — Full strength muriatic-based product is formulated to ship, use, and store easier than standard Muriatic Acid. Acid Magic safely adjusts pool and spa water chemistry with 90% less fuming. Also used to acid wash surfaces. This blend of proprietary ingredients offers the cleaning and pH reduction of powerful acids while providing increased usability and safety.

NSF Certified to ANSI/NSF Standard 50.

- 01-361** 1 Gallon
- 01-362** 5 Gallon
- 01-363** 15 Gallon



01-380

**FILTER AIDS
DIATOMACEOUS EARTH**

- 50 lb. bags
 - 01-380** 1-19 bags
 - 01-385** 20 or more bags
- 25 lb. bags
 - 01-387** 1-39 bags
 - 01-388** 40 or more bags



01-390

FIBER CLEAR FILTER MEDIA — Cellulose fiber filter media. 1 lb. replaces 8 lbs. of D.E. Non-toxic, biodegradable, and safe. Filters finer particles and is more efficient than diatomaceous earth in D.E. filters. 25 lb. bags.

- 01-390** 1-19 bags
- 01-395** 20 or more bags



01-396

ZEOBRITE™ FILTER MEDIA — Naturally formed Zeolite mineral improves sand filter performance and provides superior water clarity. Lowers total operating costs by reducing backwashing up to 50%. Filters particles down to 3 microns. Absorbs ammonia ions which reduces chloramine formation. Reduces costly pool chemicals required to meet your pool's demand by 30-40%. Contains thousands of micropores which hold 300-400% more dirt than sand. Effective size: .45 mm. 50 lb. bags.

- 01-396** 1-19 bags
- 01-397** 20 or more bags

FILTER SAND — #20 Silica Sand. 50 lb. bags.

- 01-400** 1-19 bags
- 01-407** 20 or more bags

PEA GRAVEL — 1/8" to 1/4" water rounded. 50 lb. bags.

- 01-408** 1-19 bags
- 01-409** 20 or more bags

POTASSIUM ALUM — Flocculant for rapid and high rate sand filters. Creates gel-like coating on the sand bed surface to help your filter remove smaller particles. Add 2 oz. per sq. ft. for rapid sand filters and 1-2 oz. per sq. ft. for high rate sand filters. pH should be above 7.0 in order for alum to work properly. Granular.

- 01-413** 50 lb. bag



01-398

VITROCLEAN FILTER MEDIA — Recycled glass filter media is a direct replacement for silica sand. Removes finer particles than sand and improves water clarity. Uses 25% less water to backwash. No hazardous dust or sharp edges, completely safe to handle. Effective size: .40 mm. 80 lbs. = 1 cu. ft. 50 lb. bags.

- 01-398** 1-19 bags
- 01-399** 20 or more bags



01-455

CHLORINE GENERATOR SALT — High quality salt for use in Chlorine Generators. 40 lb. bags.

- 01-455** 1-19 bags
- 01-460** 20+ bags

Specialty Chemicals



02-010

02-030

BLACK ALGAETRINE — A complex long lasting, non-foaming copper algaecide specially formulated for use in swimming pools. Effective against "black algae." No waiting, can be added at any time. Will control recontamination by algae because its active copper remains in solution for an extended period of time. Initial dosage: 12 oz. per 10,000 gallons. Maintenance dosage: 6 oz. per 10,000 gallons, every 5-7 days.

02-010 1 quart

02-020 1 gallon



01-435

SPECIALTY CHEMICALS

CYANURIC ACID — Chlorine stabilizer or conditioner. Reduces chlorine loss due to sunlight. Effective with all types of chlorine. Initial dosage 2 lbs. per 10,000 gal. of water. Granular.

01-432 50 lb. pail

01-435 100 lb. drum

CALCIUM CHLORIDE — Raises calcium hardness. 1 lb. raises 10 ppm per 10,000 gal. Correct range 200-275 ppm. 50 lb. bags

01-418 1-19 bags

01-419 20 or more bags



01-446

SODIUM THIOSULFATE — Reduces high concentrations of Chlorine or Bromine. Reduces shut down time when levels are dangerously high. 1 oz. will neutralize 1 ppm of Chlorine/Bromine per 10,000 gallons.

01-446 2 lb. bottle

01-442 55 lb. bag



02-085

ALGAECIDES

ALGAE BREAK — One treatment controls blue-green, black, & mustard algae for three months! Non-Staining. Dosage: add 16oz per 10,000 gallons over large area of pool. For severe algae, adjust pH to 7.2 and double the dosage.

02-080 1 gallon

02-085 5 gallon



02-005

DRY ALGAECIDE — Concentrated algaecide with super killing power on black and green algae. Active ingredients: Trichloro-s-Triozinetrione (90% available chlorine). Turn off pump and sprinkle directly on algae. Use 1 lb. per 10,000 gals. of pool water. Granular, pH 2.8.

02-005 50 lb. pail



02-030

SWIMTRINE PLUS — Completely kills green and mustard algae, prevents regrowth. Initial dosage: 3 oz. per 10,000 gallons for visible algae. Maintenance dosage: 1.5 oz. per 10,000 gallons every other week. Brush daily.

02-030 1 quart

02-040 1 gallon



02-050

ALGIMYCIN 2000 — Quickly kills green, black and mustard algae. Contains coagulation and filtration ingredients that help clarify and brighten pool water. Prevents new growth by retaining long lasting residual in water. Will not foam or stain, does not contain heavy metals. Initial treatment: 8-12 oz. per 10,000 gallons. Visible algae growth: 16-24 oz. per 10,000 gallons. Black Algae: 16 oz. per 10,000 gallons. Weekly maintenance: 4-8 oz. per 10,000 gallons.

02-050 1 quart

02-060 1 gallon



02-075



02-070

SEAKLEAR ALGAE PREVENTION & REMOVER — Unique low dosage organic copper complex formula is non-staining and non-foaming. Effective against blue-green, black, and mustard algae. Single treatment lasts 3 months. Dosage: 1 quart treats 20,000 gallons for algae kill or bloom. Maintenance dosage: 10 oz. per 20,000 gallons monthly. Lower pH to 7.2 during treatment.

02-070 1 quart

02-075 1 gallon



02-078

YELLOWTRINE — Granular formula helps eliminate mustard algae on pool walls and in the water. Dissolves quickly and leaves no residue. Initial dosage: 4 oz. per 10,000 gallons. Maintenance dosage: 2-4 oz. per 10,000 gallons.

- 2-078 3 lb. bottle
- 2-086 25 lb. pail



02-090

WINTERTRINE — Long lasting winter algaecide that kills green and mustard algae. Reduces Spring clean-up time. Dosage: 1/2 gallon per 10,000 gallons.

- 02-090 1/2 gallon



02-137



02-136

PHOSPHATE REMOVERS

PHOSPHATE REMOVER CONCENTRATE

Highly concentrated solution formulated to react with phosphates. Helps prevent interference with chlorine sanitizing and disinfection. **NSF Listed.**

- 02-136 1 quart
- 02-137 1 gallon
- 02-138 5 gallon



02-091

SEAKLEAR PHOSPHATE REMOVER

Commercial Strength - Removes phosphates from water that provide food source for algae growth. Nontoxic - 100% safe for patrons and environment. Dosage: 1 quart removes up to 9,000 ppb of orthophosphates in 10,000 gallons of water.

- 02-091 1 quart
- 02-092 1 gallon
- 02-093 5 gallon



02-096

PRO SERIES PHOS PREVENT — Reduces high phosphate levels with limited turbidity and can be used weekly to keep levels near zero. 1 oz. per 6,000 gallons weekly..

- 02-095 1 quart
- 02-096 1 gallon
- 02-089 5 gallon
- 02-088 55 gallon



02-144



02-143

PRO SERIES PRO BLEND — Continually removes phosphates using SMARTZyme™ technology. Breaks down filter-clogging grime and reduces overall pool maintenance. Add 1 oz. in the skimmer each week per 2,000 gallons. Reduces overall pool maintenance.

- 02-143 1 gallon
- 02-144 5 gallon



02-108



02-100

SHOCK TREATMENT

OXY-BRITE — Non-chlorine shock treatment eliminates eye burn and chlorine odor. Granular oxidizing agent "Burns out" organic material. Dissipates as oxygen. Contains no chlorine or calcium. Ideal for indoor pools that can't reach breakpoint chlorination and for facilities with pool covers where chlorine cannot exceed 1.5 ppm. Initial and weekly dosage: 1 lb. per 10,000 gallons.

- 02-100 20 lb. bottle
- 02-108 50 lb. drum



01-117

PULSAR POWER SHOCK — 78% available chlorine. Extra strength calcium hypochlorite based shock treatment.

- 01-117 25 lb. pail



02-141

02-140

SEQUESTERING AGENTS

PRO SERIES STAIN AND SCALE CONTROL

Protects Pool finishes, equipment, and salt generator cells from staining and damage caused by scale buildup without adding phosphates like most other stain and scale products. Initially, add 32 oz. per 10,000 gallons around pool edges. Add second dose after 24 hrs if necessary. Add 5 oz. per 10,000 gallons each month to prevent scale, and 4 oz. per 10,000 gallons each week to reduce metal.

02-140 1 gallon

02-141 5 gallon



02-127

02-126

SCALE & METAL CONTROL — Award winning, phosphate free, and environmentally friendly. Controls metal staining and carbonate scale. Great for use on pool start-up and to prevent scale and stains on a maintenance basis. 6oz. per 10,000 gallons, twice monthly. **NSF Listed.**

02-126 1 quart

02-127 1 gallon

02-128 5 gallon



02-115

02-125

SEQUA-SOL — Protects against stain formation, scale, and rust. Liquid. Initial treatment: 6 oz. per 10,000 gallons. Weekly dosage: 4 oz. per 10,000 gallons.

02-114 1 quart

02-115 1 gallon

SUPER SEQUA-SOL — Granular. Prevents rust, stains, scale and corrosion. Initial treatment: 10 oz. per 10,000 gallons. Weekly dosage: 2 oz. per 10,000 gallons

02-125 20 lb. pail



02-260

02-255

WATER CLARIFIERS

PRO SERIES NATURAL CLARIFIER — Easy to use natural clarifier. Clears cloudy water quickly. Cannot be overdosed. Can be used at the same time as shock in order to polish pool water. 1oz. per 5,000-7,000 gallons depending on cloudiness/bather load.

02-255 1 gallon

02-260 5 gallon



03-005



03-025

CLEAR BLUE — Highly concentrated water clarifier. Cleans cloudy water by helping the filter remove suspended particles. Reduces organic content of the water so you will use less chlorine. Adds sparkle back to pool water. Initial treatment: 4 oz. per 10,000 gallons. Weekly dosage: 1 oz. per 5,000 gallons.

03-005 1 quart

03-015 1 gallon

DROP 'N VAC — Non-alum flocculant that settles floating debris and unfilterable material to pool bottom. Removes dead algae after algacide treatment and pool opening cleanups. Dosage: 10 oz. per 10,000 gallons. Run pump for 2 hours, shut pump off overnight to let settle, vacuum to waste.

03-025 1 quart



02-155

02-145

SEAKLEAR NATURAL CLARIFIER — Chitosan based clarifier clears cloudy water and removes excess oils and lotions. Improves filter efficiency. Can be used with any sanitizer. Dosage: 1 oz. per 6,000 gallons.

02-145 1 quart

02-155 1 gallon



03-300

PULSAR CRS

PULSAR CRYPTO REMOVAL SYSTEM (CRS)

Pulsar CRS efficiently traps Cryptosporidium by increasing the filter's capacity to capture Crypto oocysts. Additionally, CRS improves water clarity by reducing turbidity in the water. Effectively flocs oils and other debris from pool water. Works with all types of filters - sand, Zeolite, DE, cartridge, and cellulose. Dosages are based on bather load and current water conditions. Low dose chemical feed pump is used for continuous feed, ordered separately. Startup: 2 oz. per 5,000 gallons. Maintenance: 1 oz. per 5,000 gallons. Maximum use is 3 mg/L. **Available in California, Northern Nevada, Western Washington, and Oregon.**

03-300 5 gallon - Pool

NOTE: See Page 33 for low dosage chemical feed pumps.



ENZYMES

PRO SERIES PRO ZYMES POOL – Naturally biodegrades organics. Ensures sparkling pool water, lengthens filter cycles, and eliminates waterline and scum deposits. Initial dosage: 1 oz. per 1,000 gallons. Maintenance dosage: based on bather load. Refer to bottle for dosages.

- 03-050 1 gallon
- 03-052 5 gallon



PRO SERIES PRO ZYMES SPA – Specially formulated for high-use, hot water environments. Patented enzyme formula breaks down and helps remove organic waste. Dramatically improve water and air quality while reducing labor and chemical usage. Dosage: 1 oz. per 100 gallons.

- 03-248 1 gallon
- 03-250 5 gallon



ENZyme PRO COMMERCIAL – ENZymePRO contains natural enzymes which safely break down micro and organic contaminants. Initial Dosage: 1 gallon per 50,000 gallons, Maintenance Dosage: 1 quart per 50,000 gallons once weekly.

- 03-103 1 gallon
- 03-105 5 gallon
- 03-107 30 gallon



03-035

NATURAL CLEAR – Natural enzyme scum remover for pools and spas. Digests oils, lotions, and other organic material. Initial treatment: Pool - 16 oz. per 10,000 gallons. Spa - 1 oz. per 500 gallons. Weekly dosage: Pool - 8 oz. per 10,000 gallons. Spa-1 oz./500 gallons.

- 03-035 1 quart
- 03-045 1 gallon



03-320

ENZyme WATER CLEANER – 100% natural formula reduces organics to create optimal water clarity. Unique, stabilized liquid enzyme system that effectively digests non-living organic contaminants commonly found in swimming pools and spas. **NSF Listed.**

- 03-320 1 quart
- 03-321 1 gallon
- 03-322 5 gallon



03-110

SPA CHEMICALS

PRO SERIES EZ SPA PRO – A food grade anti-foam agent. Effectively cuts down foam and prevents foam buildup. Dosage: ½ teaspoon per treatment maximum. Wait 10-15 min. before repeating.

- 03-110 25 lb. pail



03-220

PROTECT PLUS – Dual purpose liquid concentrate which acts as protection against staining and scale formation and as a flocculating/clarifying agent to keep spa water sparkling. Initial treatment: 2 ozs. per 250 gallons. Weekly dosage: 1 oz. per 250 gallons.

- 03-220 1 gallon

NOTE: See [page 33](#) for low dosage chemical feed pumps.



03-080

TILE CLEANERS

TLC — Liquid tile cleaner removes, grime, oils, and water line ring in one operation. Works on tile, fiberglass, and acrylic pool surfaces. Apply as it comes from the bottle with a sponge or soft cloth/brush and swab surface to be cleaned.

03-080 1 quart

03-090 1 gallon



03-212

SELF-FLOCCING DEFOAMER — Dual action defoamer and chitosan polymer flocculant in one. Eliminates foam and gathers unwanted oils without clogging filter. Use 2 oz. for every 500 gallons

03-212 1 quart



03-053

POOL FIRST AID — The pool problem solver. Gets rid of scum build-up, waterline ring, cloudy water, clogging filters, and chemical odors. Includes electrolyte polymer clarifier for quick results. Dosage: 2 oz. per 1,000 gallons.

03-053 2 liter bottle (67.6 oz.)



03-100

THICK TILE AND VINYL CLEANER —

Removes oil and scum lines from tile and vinyl surfaces. Cleans grout lines, yet is non-abrasive and cleans down into pores to remove soils. Thick formula stays put on vertical surfaces. Apply onto surface stains and massage with cloth or sponge. Rinse after 1-2 minutes.

03-100 1 quart



03-210

FOAM OUT — A food grade anti-foam agent. Effectively cuts down foam and prevents foam buildup. Dosage: ½ teaspoon per treatment maximum. Wait 10-15 min. before repeating.

03-200 1 quart

03-210 1 gallon



03-155

REMOVIT — Removes and prevents stains caused by iron, copper, cobalt and manganese. Nontoxic. Continued use will protect equipment from scale and rust. Dosage: 1 lb. per 10,000 gallons. Maintenance dosage: 1 lb. per 10,000 gallons every 8 weeks.

03-155 2 lb. bottle



03-240

CLEAN AND PERFECT — Citrus based enzyme cleaner effectively breaks down organic contaminants such as grease, grime, oils and lotions...allowing dirt to be released. Can be used on decks, tile and patio furniture. 100% non-toxic/biodegradable and will not effect pool chemistry.

03-240 22 oz. spray bottle

03-245 5 gallon



03-055

FILTER CLEANERS

FILTER CLEANSE — Cleans sand filters, D.E. filter grids and filter cartridges. Removes scale, rust and oils. Restores filter efficiency by descaling and degreasing clogged and channeled filters. Dissolve 1 lb. in 5 gallons of water.

03-055 20 lb. pail



03-160

03-150

PRO SERIES FILTER CLEANER — This highly concentrated, deep cleaning solution uses SMARTZyme™ technology to remove oils, grease, and other non-living organic waste naturally without the use of acid. Effective on all filter types. Remove filter cartridges or D. E. grids and soak in a solution of 1/2 gallon of cleaner per 5 gallons of water for 6 hours, rinse thoroughly.

03-150 1 gallon

03-160 5 gallon



03-490

PRO SERIES PIPE PURGE — Cleans pool and spa plumbing of built up non-living organic waste using SMARTZyme technology. Removes the cause of many pool and spa water quality issues. Cleans where you can't! Add 1 gallon per 15,000 gallons spread through skimmers or gutter. Backwash after 24 hours. Follow with shock treatment if needed.

03-490 1 liter



84-055

84-050

SPECIALTY CHEMICALS

PRO SERIES LIQUID COVER — Reduces water and heat loss due to evaporation, reducing the frequency of adjustments due to water loss. For 20,000+ gallon pool, add 4 oz weekly.

84-050 1 gallon

84-055 5 gallon



84-100

HEATSAVR LIQUID POOL COVER

Reduces heat loss and evaporation from any pool. New patented technology offers an alternative to conventional pool and spa covers or can be used in conjunction with them to increase your savings. Will save energy and water costs in every pool, even while the pool is in use. Will also reduce evaporation and humidity on indoor pools. Will not affect your pool chemistry. Completely safe, non-toxic, and biodegradable. Can be fed manually or continuously fed with automatic metering system. 115 VAC. Daily dosage: 1-2 oz. per 400 sq. ft.

84-100 4 liter bottle (140 oz.)



03-225

EZ POOL PRO COMMERCIAL

Provides simplicity with incredible water quality. EZPoolPRO contains a stable oxidizer, proprietary algae shield formula, water balancers, and scale build-up inhibitors that clarifies and conditions to provide soft, sparkling clear, oxygen rich swimming water. No waiting to swim!

03-225 40 lb. pail

NOTE: See Page 33 for low dosage chemical feed pumps.



03-190

PEPPER PRO — Formulated to work with the unique demands of salt water pools. Benefits of using PepperPRO include enhanced water quality, maintenance of low phosphate levels, improvement of sanitizer effectiveness, pool equipment protection, and chlorine generator life extension.

03-190 40 lb. pail



03-480

REVIVE PRO COMMERCIAL — Designed to remove phosphates, metals including copper and iron, scaling carbonates, organic debris and other contaminants that cause troubled water. RevivePRO is formulated for use on new pool start-ups, replaster/remodel/refills, spring openings, severe algae cleanups, and routine maintenance. Crystal clear, swim-ready water with a NO ALGAE GUARANTEE® when used with EZpoolPRO.

03-480 5 gallon

03-485 30 gallon

DECK CLEANERS

KOOL DECK COMMERCIAL CLEANER

Two-step system restores original finish by removing dirt, stains, and mineral deposits. Safer than Muriatic Acid. Spot cleaning: 1 cup in 1 gal. water, cleans 90 sq. ft. General cleaning: 1 cup in 5 gal. water, cleans 100 sq. ft./gallon.

03-165 9 lb. pail

SPECTRA-CLEAN™ STAINLESS STEEL CLEANERS

Periodic passivation is required to ensure the corrosion resistance of stainless steel products. Available in three stages for weekly maintenance and varying levels of corrosion.

Item	Description	Size	Treatment
03-330	System 1	4 - 22 oz. bottles	Weekly Treatment
03-335	System 2	1 gallon	Mid-range corrosion
03-340	System 3	1 gallon	Severe corrosion

Chemtrol Chemical Control Systems

CHEMTROL PC CONTROLLERS

Chemical automation is now recognized as a must for proper treatment of swimming pools and spas. The controller initiates the addition of your sanitizer and pH control chemical based on need and maintains the level you select as your "desired" set point. Costly underfeeding and overfeeding is virtually eliminated. Helps preserve the life of your pool equipment and surfaces. Most facilities see a payback in one or two years.

The Chemtrol PC programmable controllers use advanced microprocessor-based technology to introduce a new standard of sophistication in automated water treatment. All the monitoring and control communication functions are incorporated into a single integrated command center. The main screen display enables the operator to supervise all the process functions at a glance and to quickly respond to any changing condition.

Chemtrol PC options allow you to expand the parameters of your automation system for additional monitoring capabilities.

CHEMTROL PC 6000/7000

CHEMTROL PC 6000/7000 — Incorporates automated control of water chemistry and filtration. Both the Chemtrol PC 6000 and PC 7000 controllers operate as the central command center for total equipment control and monitoring. These controllers add automated filter backwash control with programmable backwash schedules, influent and effluent pressure sensors, and filter cycle with six relays, for sequential filter backwashing of multiple filter tanks. Additionally, the Chemtrol 6000 and 7000 series controllers display ORP, sanitizer/PPM, pH, temperature, Langelier Saturation Index, circulation pump control, water level control, remote telephone/voice communication, and remote computer operation. The PC 7000 has the same features as the PC 6000 and adds true PPM control. Chemtrol PC 7100 has the same features as the PC 7000 except adds Dual PPM control for UV and Chloramine treatment. Includes: PC by-pass assembly with PC safety flow switch and PC sensor cell cabinet. Additional options listed below.

5 Year Electronics Warranty.

- 05-021 Chemtrol PC 6000
- 05-050 Chemtrol PC 7000
- 05-055 Chemtrol PC 7100

CHEMTROL PC CONTROLLER OPTIONS

Options	7000	6000	5000	3000	2100
PPM Control Option	incl.	05-345	incl.	05-003	05-002
PPM Display	incl.	incl.	incl.	incl.	incl.
TDS/Conductivity/Temp. Monitoring	incl.	incl.	05-315	05-014	05-008
Temperature Control	incl.	incl.	incl.	incl.	05-009
Flow Monitoring	incl.	incl.	05-320	05-018	05-023
Water Level Control	incl.	incl.	05-325	05-016	.
Influent/Effluent Pressure Monitoring	incl.	incl.	05-330	05-019	.
Additional Common Options	7000	6000	5000	3000	2100
Ethernet/Internet/Remote	05-007	05-260	05-262	05-015	05-017
4-20 mA (5 Channels for display outputs)	05-265	05-270	05-275	05-280	05-285



CHEMTROL PC 3000/5000

CHEMTROL PC 3000/5000 — Displays ORP, sanitizer/PPM, pH, temperature, and Langelier saturation index. All functions can be easily modified through a series of submenus including probe calibration, automatic probe cleaning, diagnostic probe monitoring, proportional feed, automatic superchlorination, energy saver and water chemistry saver programs and RS-485 communication port for data download capabilities. PC 5000 has same features as PC 3000, except adds true PPM control. Chemtrol PC 5100 has the same features as the PC 5000 except adds Dual PPM control for UV and Chloramine treatment. Includes: PC by-pass line assembly with PC safety flow switch, ORP, pH and temperature probes. Acrylic sensor cell cabinet ordered separately.

5 Year Electronics Warranty.

- 05-006 Chemtrol PC 3000
- 05-040 Chemtrol PC 5000
- 05-045 Chemtrol PC 5100

CHEMTROL PC 2100

CHEMTROL PC 2100 — ORP and pH control, remote alarm, PPM display, and RS-232 communications port for data history download capabilities. Offers new 8 line display with option for true PPM control. Includes flow cell assembly and paddle wheel flow switch. PC Sensor cell cabinet ordered separately.

5 Year Electronics Warranty.

- 05-036 Chemtrol PC 2100



05-022

CHEMTROL 250/255

CHEMTROL 250/255 — Chemical control system for use on small pools or spas. Maintains ORP and pH. Chemtrol 255 has same features as Chemtrol 250, except offers true PPM control instead of ORP. All front panel adjustments include desired set-points, proportional feed, out-of-range indicating lights and safety feed lock-out. 110 volt. Includes: flow cell assembly and paddle wheel flow switch.

5 Year Electronics Warranty.

- 05-022 Chemtrol 250
- 05-025 Chemtrol 255

NOTE: See [page 15](#) for Chemtrol by-pass line assemblies and parts.



CHEMTROL ACCESSORIES

TEK™ CHEMISTRY CONTROL CENTER
Panel mount your chemistry controller, bypass line assembly and chemical feed pumps or CO₂ feed unit on our convenient chemistry control center. Includes: 36"W x 24"H panel, pre-plumbing of by-pass line assembly, electrical prep, and mounting of your chemistry components (ordered separately). Contact us for your individual system needs. Can be used with any brand controller or chemical feed components.

- 05-230** TEK™ Control Center-Chemtrol 250
- 05-235** TEK™ Control Center-Chemtrol 2100
- 05-245** TEK™ Control Center-Custom



05-127

ACRYLIC SENSOR CELL — Acrylic see-thru sensor cell for ORP and pH probes. Available with standard 1/2" threads for Chemtrol probes or 3/4" threads for use with HP probes.

- 05-127** Acrylic Sensor Cell, 1/2"
- 05-128** HP Acrylic Sensor Cell, 3/4"



05-123

SENSOR CELL CABINET — Lockable fiberglass cabinet to protect probes. Includes: acrylic see-thru sensor cell. Houses Chemtrol ORP and pH probes and plumbing fittings. By-pass line assembly ordered separately.

- 05-123** Sensor cell cabinet
- 05-124** HP sensor cell cabinet



05-089

CHEMTROL BY-PASS ASSEMBLY

BY-PASS ASSEMBLY — Schedule 80 by-pass line assembly. Complete by-pass assembly includes: valves, sample port, and acrylic sensor cell. Cabinet ordered separately.

- 05-089** By-Pass Line Assembly

CHEMTROL PARTS

- 05-117** Rotary safety flow switch, 2100
- 05-118** Rotary safety flow switch, digital
- 05-119** Rotary safety flow switch, analog
- 05-120** Blade safety flow switch, analog

Item	Sch. 40	Sch. 80
Flow Control Ball Valve	92-2622-005	92-2122-005
Compression Fitting (probe)	05-115	05-115
Union (SOC) 1/2"	92-457-005	92-897-005
Sample Tap	92-1078002	92-1078002



05-081

05-082

CHEMTROL PROBES

CHEMTROL HP PROBES — Heavy duty industrial grade probe with **2 Year Warranty**. HP Probes include a 10' cable. Can be used with existing Chemtrol controllers with addition of an HP Acrylic Sensor Cell. Size: 3/4" MPT.

- 05-081** ORP HP Probe
- 05-082** pH HP Probe



05-070 05-075 05-076 05-077 05-085

CHEMTROL PROBES — Chemtrol probes include a 10' cable and have a **1 Year Warranty**. Use with 1/2" sensor cell or 1/2" probe fitting.

- 05-070** ORP Probe
- 05-075** pH Probe
- 05-076** Temperature Probe
- 05-077** Temp./TDS Probe
- 05-085** PPM Probe, new style

CHEMTROL PPM PROBE PARTS

- 05-092** Replacement PPM Membrane
- 05-093** Replacement PPM Gel

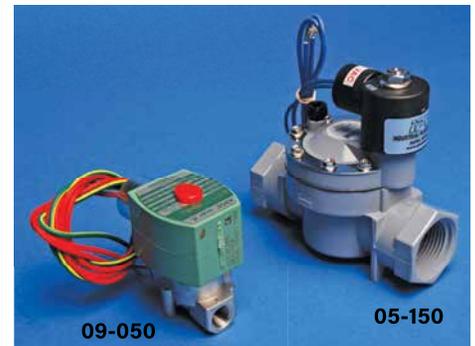
CONTROLLER ACCESSORIES

CALIBRATION RECORD TAGS — Allows you to have a running record of equipment calibration dates. Size: 5 1/4" x 2 5/8". (Package of 5).

- 05-141**

CHEMTROL PORTA-PROBE — Portable signal tester for testing of Chemtrol unit and probes. Tests ORP, pH, Temperature, and TDS probes. 3 1/2" LCD digital display. 9 volt battery included.

- 05-130**



09-050

05-150

SOLENOID VALVES

PLASTOMATIC SOLENOID VALVE

Watertight valve for chlorine gas service and installation into vacuum line. 3/4" FPT, normally closed. 110 volt.

- 50-145**

EROSION SOLENOID VALVE — Solenoid for water service, normally closed. Use with erosion feeders. 1" FPT with 3/4" bushing. 120 volt.

- 05-150**

CO₂ SOLENOID VALVE — Use with Automatic Controllers on CO₂ systems. 1/4" FPT. 110 volt.

- 09-050**

Chemical Control Systems



05-409

HAYWARD CAT CONTROLLERS

HAYWARD CAT 6000 — Advanced, intuitive full-color touch screen, CAT 6000™ guides you through programming. Innovative sensing technology utilizes Dynamic Sanitizer Control, allowing for more precise sanitization control. The CAT 6000™ uses innovative solid-state sensing technology* for its low-maintenance true free chlorine, temperature, and conductivity sensors. Full-color touch screen with chosen variable display and configuration options. Audit and monitor energy consumption data to maximize efficiency. Mini-Removable USB drive for access to water chemistry history and alarm data. NEMA 4X enclosure is weather resistant and shock-proof. Lightweight mounting bracket with template and side-locking mechanism makes installation quick and easy. 5-year limited warranty on controller; 2-year warranty on sensors. **NSF/ANSI Standard 50 Certified.**

05-409 CAT 6000 System w/ Wi-Fi



05-414

HAYWARD CAT 5500 — Discover the latest in powerful water chemistry controllers complete with TDS and Salt monitoring. CAT 5500- wireless, communicating controllers are equipped with state-of-the-art sensing and control capabilities tailored specifically for salt chlorine applications. Dual sanitizer setpoints for back-up ORP control, and temperature sensor for heater control. Offers the utmost in pH, ORP, conductivity/NaCl, backup sanitization, and internet-based monitoring. Communicates wirelessly with PoolComm online program. 5-year limited warranty on controller and 2-year warranty on sensors. **NSF/ANSI Standard 50 Certified.**

05-413 CAT 5500 Sys w/ Wi-Fi

05-414 CAT 5500 Sys w/ cellular



05-400

HAYWARD CAT 4000 — The CAT 4000® is a wireless commercial remote water quality controller. The controller provides picture-perfect water quality on-site and remote monitoring via the Internet or web-enabled mobile device from anywhere in the world. Using the CAT 4000 systems, you can easily log onto PoolComm to activate your wireless account and begin monitoring your water quality. You can view water quality data, print charts, analyze graphs, customize your settings and receive alarm notifications via email or SMS. The CAT 4000 is your complete solution for water quality management and remote monitoring. Wireless link to the PoolComm site with extensive North American coverage and 24/7 monitoring. Incredibly simple to install and operate via simple menus and a bright alphanumeric display. Compatible with existing chemical feed equipment, so initial investment is minimized. Comes complete with CAT Professional Series pH and ORP sensors for unsurpassed performance. Optional Wi-Fi® communications protocol provides users free PoolComm access.

05-400 CAT 4000 System w/ Wi-Fi

05-401 CAT 4000 System w/ Cellular

Options	CAT Controller Package			
	6000	5500	4000	2000
pH	incl.	incl.	incl.	incl.
ORP	incl.	incl.	incl.	incl.
Temperature	incl.	incl.	.	.
Total Dissolved Solids	incl.	incl.	.	.
NaCl (Salt)	incl.	incl.	.	.
Backup Sanitization	incl.	incl.	incl.	.
Free Chlorine	incl.	.	.	.
LSI Calculation	incl.	.	.	.
Total Dynamic Sanitizer Control	incl.	.	.	.
Water Level	05-417	05-417	05-417	.
Tank Level	05-418	05-418	05-418	.
Digital Flow	05-419	05-419	05-419	.
Auxiliary Relays	2	2	1	.
Powered Auxiliary Relays	1	.	.	.
PVC Backboard	.	incl.	incl.	incl.
Mounting Bracket	incl.	.	.	.
Flow Cell/Flow Sensor	incl.	incl.	incl.	incl.
Installation Kit	incl.	incl.	incl.	incl.
Touch Screen Display	incl.	.	.	.
Bluetooth Enabled	incl.	.	.	.
4-20ma Inputs	2	.	.	.
Circulation Pump Inter-lock	incl.	.	.	.
Wireless Web-based Communications	Wi-Fi & Cellular	Wi-Fi, Cellular & Satellite	Wi-Fi & Cellular	.
Machined Flow Cell & Rotary Flow Sensor	incl.	05-420	05-420	05-420
2 Year Gold Tip ORP Probe for Salt	incl.	incl.	05-421	05-421
2 Year CAT Pro ORP Sensor	05-422	05-422	05-422	05-422
2 Year CAT Pro PH Sensor	05-423	05-423	05-423	05-423



05-416

HAYWARD CAT 2000 — The CAT 2000® constantly monitors pH and sanitizer activity (chlorine, bromine, even salt systems) and automatically implements chemical feeding in proportion to demand for picture-perfect water quality at all times. Digital, microprocessor-based design with flash technology. Advanced Control Features including proportional feed. Weatherproof membrane switch front panel interface. All factory settings are permanently stored in memory. Simple installation, setup and operation. Compatible with all types of chemical feed equipment. Dry-contact outputs provided for salt-chlorine systems.

05-416 CAT 2000 professional pkg.



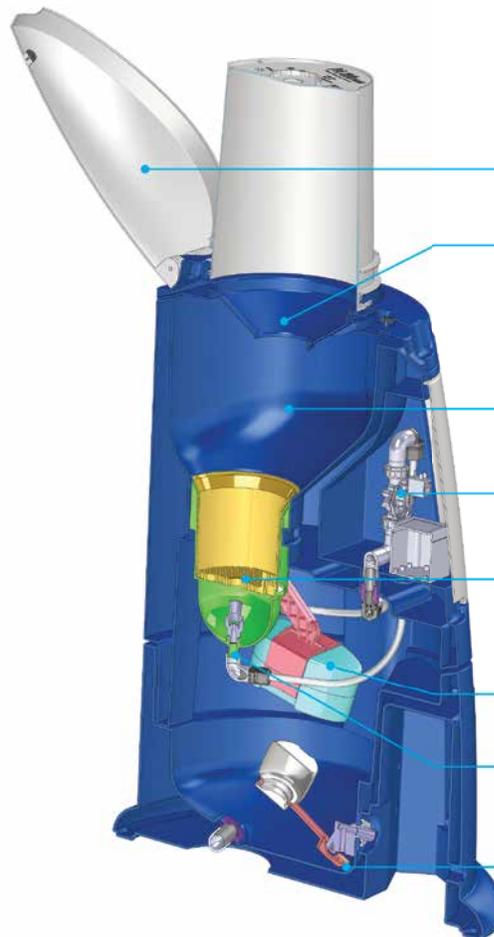
PULSAR CHLORINATION SYSTEMS

PULSAR PRECISION CHLORINATION SYSTEM — The new Pulsar Precision Chlorination System is simple and easy to use. The system utilizes Pulsar Plus Calcium Hypochlorite Briquettes to provide consistent, dependable pool water chlorination. The Patented Pulsar Plus chemical formula includes a scale inhibitor to reduce the scale normally associated with calcium hypochlorite and improves filter efficiency.

Pulsar Chlorination Systems give you cleaner, clearer water, with less hassle and longer pool and equipment life. TDS buildup with Pulsar Plus is less than half that of bleach. It's the only sanitation method that chlorinates, removes organics and metals, boosts hardness and shock threats, all in one process. In addition, you'll need less acid to control pH. It takes two and a half times as much acid to maintain proper pH in a bleach pool due to the caustic stabilizers in bleach.

The Pulsar Precision Chlorination System provides high capacity erosion feed technology that minimizes the need for maintenance. The feeder control box controls the booster pump and initiates the self-cleaning wash down feature. The feeder design also allows for easy access to the internal feeder components. The Precision feeders are available as a single unit and also as a Precision Duo system that doubles the feeder output. Precision Feed Rate- 5- 189 pounds of Available Chlorine per day for pools. Precision Duo Feed Rate- 10- 378 pounds of Available Chlorine per day for pools. Feeders are installed in their own by-pass loop, downstream from pool filters and pool heater. Systems include: Precision feeder, booster pump (1HP or 2HP for Duo unit), control box, venturi injector, solenoid valve, flow switch, and plumbing kit. **NSF Listed. Available in California, Northern Nevada, Western Washington and Oregon.**

Item	Description	Pool Size (gal)	PPD Feed Rate - Pools	Briquette Storage Capacity
08-048	Precision Chlorination System	400,000 - 750,000	5 - 189 lbs./AvCl/day	70 lbs.
08-049	Precision Duo Chlorination System	800,000 - 1,500,000	10 - 378 lbs./AvCl/day	140 lbs.



Secure lid locking feature

Enhanced hopper attachment

Allows for added chemical capacity and reduction in dust during chemical loading

Hopper

Dual solenoids minimize solid build up

Briquette grid

Removable for easy maintenance

Emergency shut-off valve to prevent spills

High capacity erosion nozzle

Durable discharge valve

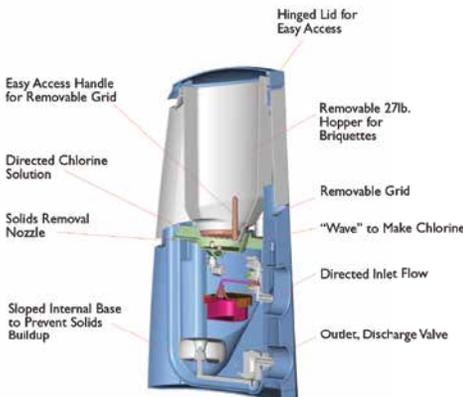
Pulsar Chlorination Systems



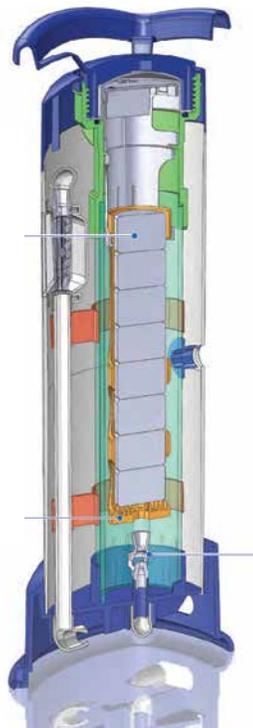
08-001

PULSAR 1 CHLORINATION SYSTEM — Designed specifically for smaller commercial pools and spas. The Pulsar 1 Feeder provides consistent, dependable water chlorination and is capable of high feed rates. Uses unique "wave" erosion method to dissolve Pulsar Plus Briquettes. Improves your pool/spa water clarity, color, and sparkle. The Pulsar 1 Feeder is installed on the discharge side of your pool/spa mechanical equipment, to safeguard your pool systems. The feeder holds 27 pounds of Pulsar Plus Briquettes and has the ability to feed up to 25 pounds of available chlorine per day. Minimum feed rate is .5 pounds per day. System includes: Pulsar 1 Chlorinator, 1/2" venturi, and standard installation accessories. Use Automation Kit with controller. Kit includes: solenoid with transformer and 15' cord. 13 1/2" W x 15 1/2" D x 31" H. **NSF Listed. Available in California, Northern Nevada, Western Washington, and Oregon.**

- 08-001 Pulsar 1 Chlorination System
- 08-015 Pulsar 1 Automation Kit



08-005



PULSAR INFINITY FEEDER

PULSAR INFINITY FEEDER — The patent-pending Pulsar® Infinity System is a pressurized feeder system designed for pools and spas ranging from 500 to 60,000 gallons. A pre-filter to post-filter loop will be added to the main pool recirculation system as part of the Pulsar® Infinity System. This recirculation loop will create the pressure differential to provide the proper flow of water through the feeder. The Pulsar® Infinity System incorporates the principles of High Capacity Erosion (HCE) technology. Water rises in a "column" from a submerged nozzle below the tablet grid making contact with the Pulsar® Infinity Tablets. The tablets are then submerged in a column of water with the water flow from the nozzle creating a chlorinated solution that is discharged to the pool return line. The feeder operates in a pressurized condition with a pressure range between 5 to 20 psig. The chlorine output is controlled by the cartridge height setting (distance of the tablet from the nozzle) and the inlet flow rate which has an operating range of 0.5 to 4.5 gpm. In addition, an ORP controller may be used for more precise control. The inlet flow rate will allow a minimum available chlorine (AvCl) output of 0.5 lb/day and will allow a maximum AvCl output for a pool of 7.0 lbs./day and 5.5 lbs./day for a spa. No exterior booster pump needed. The patent-pending, slow dissolving Pulsar® Infinity Tablets are a 3-in-1 product that chlorinates consistently, increases calcium to protect plaster, and increases alkalinity to stabilize pH. **NSF Listed. Available in California, Northern Nevada, Western Washington, and Oregon.**

The benefits of the Pulsar® Infinity Tablets and Infinity Feed System include:

- DOES NOT add cyanuric acid to your pool reducing wasteful drainage.
- DOES NOT reduce ORP effectiveness.
- Dissolves slowly to give long lasting chlorination.
- DOES NOT form nitrogen trichloride (strong chlorine odor) associated with trichlor use.
- Highly concentrated to reduce shipping and handling costs.
- More concentrated than liquid bleach.
- Longer shelf life when compared to liquid bleach.
- Adds less total dissolved solids (TDS) than liquid bleach.
- Utilizes Class 2 Oxidizer tablets (less restrictive storage requirements compared to Class 3 Oxidizers).
- New tablet formula.

Item	Description
08-005	Infinity Cal-Hypo Tablet Feeder
93-73115	Basic ORP Kit for 1-feeder
93-73119	Basic ORP Kit for 1-feeder w/ 3m extension cable
93-73120	Basic ORP Kit for 2-feeder w/ 3m extension cable
93-73135	Basic ORP Kit for 3-feeders w/ 3m extension cable
01-113	25 lb. Pulsar Infinity Cal-Hypo Tablet





08-045

PULSAR ACID PLUS FEEDER SYSTEM

Pulsar Acid Plus feed system can help maintain reliable pH levels in your pool and is used with your Pulsar calcium hypochlorite feeders. The Acid Plus system allows you to have a complete dry chemical system, instead of dealing with the handling of liquid muriatic acid and the corrosive fuming in your equipment room. The Pulsar pH Down chemical is a completely water soluble, proprietary formula, that is easy to handle and transport. It also doesn't require the double containment requirements associated with liquid chemicals. 10 lbs. of Pulsar pH down chemical is equal to 1 gallon of muriatic acid. **Available in California, Northern Nevada, Western Washington, and Oregon.**

08-045 Pulsar 1 Chlorination System

01-355 pH Down (+4) Granular, 45 lb. pail



PULSAR PH CONTROL SYSTEM

System includes a 10 gallon molded polyethylene acid storage tank and a low maintenance peristaltic feed pump. Easily adjusts to the pH increases from calcium hypochlorite sanitizers. Can be used with or without a chemistry controller. The system has a small footprint, translucent tank wall allows for visual confirmation acid level, and can be secured to the floor with built-in seismic restraints. Feed Pump adjustable output: .45 GPD - 9.5 GPD. **Available in California, Northern Nevada, Western Washington, and Oregon.**

08-003

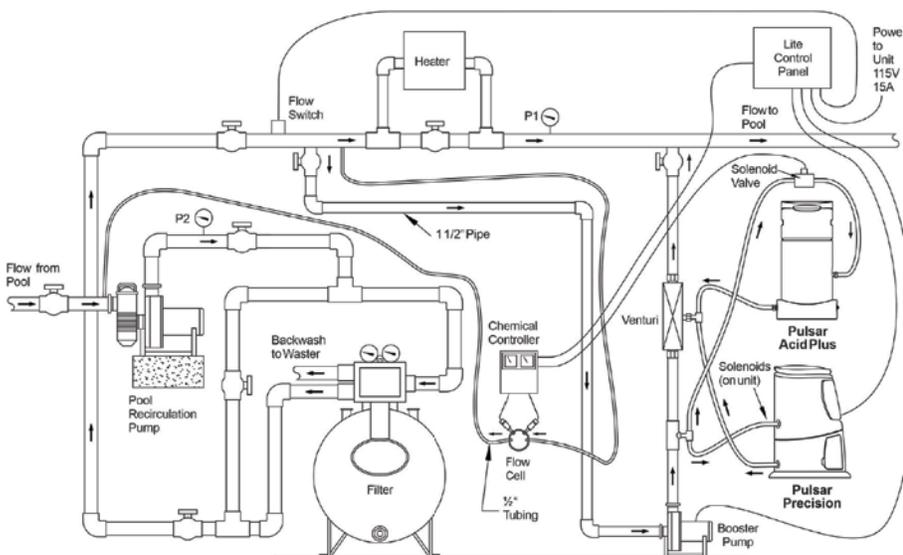
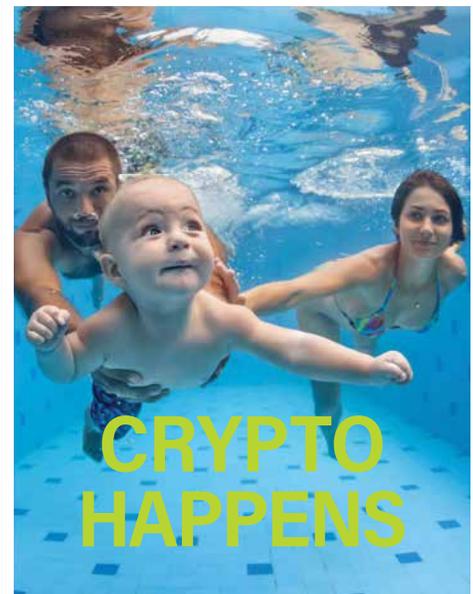


03-300

PULSAR CRYPTO REMOVAL SYSTEM

Pulsar CRS should be an integral part of your risk management program for preventing recreational water illnesses. Efficiently traps Cryptosporidium by increasing the filter's capacity to capture Crypto oocysts. Additionally, CRS improves water clarity by reducing turbidity in the water. Also reduces fouling of controller probes by removing oils from the water and improves the efficiency of UV Systems. Effectively flocs oils and other debris from pool water, which reduced chlorine demand. Works with all types of filters - sand, Zeolite, DE, cartridge, and cellulose. Dosages are based on bather load and current water conditions. Low dose chemical feed pump is used for continuous feed, ordered separately. **Available in California, Northern Nevada, Western Washington, and Oregon.**

03-300 5 gallon - Pool



Pulsar Parts & Accessories

Scan the QR Code below each Pulsar Feeder to access the operations and maintenance manuals, which includes the complete parts listing for each feeder.



PULSAR PRECISION



PULSAR INFINITY



PULSAR 1



PULSAR 45



PULSAR 140



PULSAR 500



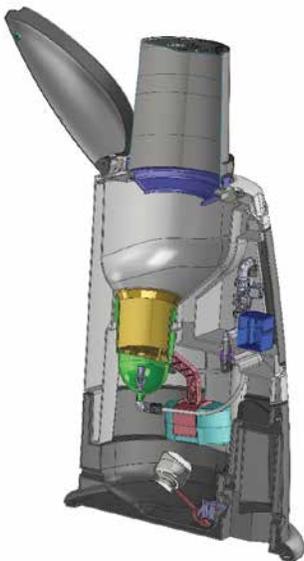


08-110

CCH® ELITE CHLORINATION SYSTEM

High capacity erosion (HCE) feeder that is compact with a modular design. The feeder uses calcium hypochlorite that produces a concentrated liquid chlorine solution for clean and sanitized water. This innovative feeder system is easy to maintain and service with a flexible design that allows for easy integration for small to large commercial pools. Includes: feeder, installation connection kit, and booster pump. Tablet capacity: 70 pounds of CCH 1" tablets. Feed rate of: 5-120 lbs. per day of available chlorine. 110 VAC. **NSF Listed.**

- 08-110 CCH Elite Feeder
- 01-160 CCH Cal-Hypo tablets, 45 lb.



8-100

CCH FEEDERS

CCH CAL-HYPO FEEDER — Large capacity Calcium Hypochlorite Tablet Feeder provides consistent sanitizer levels without the hassles of cyanuric acid build-up. Effective for outdoor pools up to 50,000 gallons and indoor pools up to 150,000 gallons. Can be installed in series for larger applications. Can be fully automated and interfaced with any automated control system. 13 pound capacity of 2 5/8" CCH Tablets. Provides maximum feed rate available chlorine of 18 lbs./day.

NSF Listed.

- 08-100 CCH Cal-Hypo Suction Feeder
- 08-101 CCH Cal-Hypo Gravity Feeder
- 01-150 CCH Cal-Hypo tablets, 50 lb.



08-160

ENDURANCE CAL-HYPO FEEDER

Designed specifically for the commercial pool operator. Easy to use erosion feed system with no moving parts. Utilizes newly patented slow dissolve calcium hypochlorite tablet. Provides consistent sanitizer levels with no cyanuric acid build-up compared to trichlor feeders. Effective for outdoor pools up to 30,000 gallons and indoor pools up to 98,000. Can be fully automated and interfaced with any automated ORP control system. 4.5 pound capacity of 2 5/8" CCH Tablets. Provides maximum feed rate of 7.0 lbs./day for a pool and 5.5 lbs./day for a spa. **NSF Listed.**

- 08-160 CCH Endurance Feeder
- 01-155 CCH Endurance tablets, 25 lb.



08-115

CCH® PH CONTROL SYSTEM — System includes a 10 gallon molded polyethylene acid storage tank and a low maintenance peristaltic feed pump. Easily adjusts to the pH increases from calcium hypochlorite sanitizers. Can be used with or without a chemistry controller. The system has a small footprint, translucent tank wall allows for visual confirmation acid level, and can be secured to the floor with built-in seismic restraints. Feed Pump adjustable output: .45 GPD – 9.5 GPD.

- 08-115 CCH pH Control System



CCH® PRO LINE CHEMICALS

NSF 50 Certified pool maintenance chemicals that are designed to make commercial pool care and maintenance easier. **CCH Phosphate Pro-** 3-in-1 formula removes more phosphates per quart, than any other product- 1 oz. removes 410 ppb in 10,000 gallons. **CCH Multi Action Pro-** Powerful enzyme and clarifier formula increases the breakdown of oily organic material. Improves filter efficiency, clears up cloudy pool water, and prevents waterline build up. **CCH Clarifier Pro-** Improves water clarity and filtration, plus adds an additional layer of protection, by increasing the filters capacity to capture crypto oocysts. Improves efficacy of your UV system as you use the clarifier. Reduces turbidity in your pool water by an average of 37.5%.

NSF 50 Listed.

- 03-316 CCH Phosphate Pro, 5 gallon
- 03-317 CCH Multi-Action Pro, 5 gallon
- 03-318 CCH Clarifier Pro, 5 gallon

Erosion Feeders



08-215



08-225

VERSACHLOR EASY FEED CHLORINATION SYSTEMS — The VersaChlor chlorination system is designed to deliver predictable chlorine levels and provide easier water balance to commercial pool facilities. The VersaChlor system's proprietary calcium hypochlorite tablet eliminates the issues with over-stabilization associated with Tri Chlor systems. The VersaChlor I feeders can provide up to 36 lbs./Day of available chlorine and can feed pools up to 80,000 gallons and the VersaChlor III feeders can provide feed rates of up to 153 lbs./Day of available chlorine and can feed pools up to 300,000 gallons. Both systems are available as a feeder only or as a pre-plumbed skid mounted package with controller input, booster pump, 120 Volt/15 amp power. **NSF Listed.**

Item	Description	Tablet Capacity	Feed Rate	Pool Gallonage
08-225	VersaChlor System I	25 lb.	36 PPD	80,000 Gallons (Outdoor Stabilized)
08-226	VersaChlor System I - Skid Mount	25 lb.	36 PPD	40,000 Gallons (Outdoor Unstabilized) 150,000 Gallons (Indoor)
08-215	VersaChlor System III	100+ lb.	153 PPD	300,000 Gallons (Outdoor Stabilized)
08-216	VersaChlor System III - Skid Mount	100+ lb.	153 PPD	150,000 Gallons (Outdoor Stabilized) 500,000 Gallons (Indoor)
01-125	VersaChlor Cube Tablets, 37.5lb.			



08-217

VERSACHLOR SYSTEM II — Skid-mounted chlorination system is fully engineered and pre assembled for easy installation. The system is pre-wired and will work with any ORP controller. This new chlorinator utilizes VersaChlor Cube calcium hypochlorite tablets, that are cyanuric acid-free and easy to use. The system has a compact footprint, of only 23" x 14", which makes it ideal to use in tight pump room locations. The feeder will hold 40 pounds of tablets and can feed up to 24.4 pounds per day of Available Chlorine. The VersaChlor System II is designed to be used on commercial pools and spas of up to 150,000 gallons. **NSF Listed.**

08-217 VersaChlor System II

01-125 VersaChlor Cube Tablet, 37.5 lbs.



08-216



08-226





08-120

VENTURI FEEDERS

THE SOLUTION FEED SYSTEM — Sodium hypochlorite venturi feeder eliminates all parts, labor, and hassles associated with chemical feed pumps. The Solution feeder utilizes patented, vacuum induction technology rather than pressure. Venturi mixes chlorine thoroughly in the water, which reduces chloramines by providing continuous breakpoint chlorination. Maintains set point even in the heaviest demand periods. Adjustable feed rate from 0 to 1728 GPD. To be used with automatic chemistry controller. Includes: venturi, flow meter, pressure gauge, solenoid valve, "Y" strainer, isolation valves, clear PVC piping, 12" x 24" PVC mounting board and wall mounting kit. Feeder comes fully assembled and ready for plumbing. Booster pump ordered separately. Overall size: 15"W x 27"H. 120 volt. **2 Year Warranty. NSF Listed.**

08-120



08-125

THE SOLUTION X-2 FEED SYSTEM

Dual purpose feeder is designed to feed either acid for pH/Alkalinity control or sodium hypochlorite for smaller volume pools (less than 50,000 gallons). The Solution X-2 feeder utilizes patented, vacuum induction technology. Maintains desired set points even during the heaviest demand periods. Adjustable feed rate from 0 to 197 GPD. To be used with automatic chemistry controller. Includes: venturi, flow meter, pressure gauge, solenoid valve, "T" strainer, tubing, check valve strainer, isolation valves, PVC housing, and wall mounting kit. Booster pump ordered separately. Overall size: 15"W x 30"H. 120 volt. **1 Year Warranty. NSF Listed.**

08-125



08-076

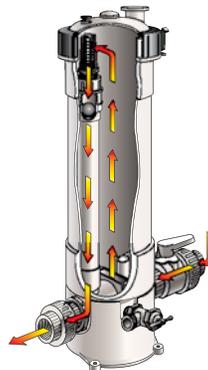
08-078

08-077

CHLORINE/BROMINE FEEDERS

HIGH CAPACITY CHLORINE/BROMINE FEEDERS — Commercial grade erosion feeder is designed to be installed permanently with 1" PVC plumbing. High capacity feeders hold 15, 30, or 40 lbs. of Trichlor tablets or Bromine tablets. Tablets dissolve by passing water through the tablet chamber and eroding the tablets. Features include external dial control, drain valve, union connections, and easy access lid for refilling. Flow Rate Indicator and In-Line Check Valve sold separately. **NSF Listed for chlorine.**

Item	Capacity	Maximum Output Rate (lbs./hr.)	
		Chlorine	Bromine
08-076	15 lb.	1.22	.57
08-077	30 lb.	2.00	1.15
08-078	40 lb.	4.15	1.73
08-085	Flow Rate Indicator, 1"		
08-090	In-Line Check Valve, 1 1/2" / 2"		



NOTE: See page 14 and 16 for automatic chemical controllers.

08-050



08-070



FREE STANDING EROSION FEEDERS

Automatic Chlorine/Bromine feeders work on pressure side of pump and are installed downstream of pool equipment. Will feed 3" Trichlor Tablets or smaller sized Trichlor/Bromine tablets. Spa chamber option limits feed rate on 19" feeder for small bodies of water and holds 1/2 lb. of 1" tablets. 29" commercial feeder utilizes 1/2" tubing for increased waterflow and feed rates of up to 8.05 lbs. in 24 hrs. Flow Rate Indicator and In-Line Check Valve sold separately. **NSF Listed for chlorine.**

Item	Description	Tablet Cap. (lbs.)	
		Small	Large
08-050	19" Feeder	5.5	8.8
08-055	19" with Spa Chamber	.5	-
08-060	29" Feeder	9.8	12.7
08-065	29" Commercial Feeder	9.8	12.7
08-080	Commercial Flow Indicator, 1/2"		
08-095	In-Line Check Valve, 1/2"		

IN-LINE EROSION FEEDERS — Designed for permanent installation into PVC line downstream from pool equipment. Feeder is designed to handle 3" Trichlor tablets or smaller sized Trichlor/Bromine tablets. Includes installation hardware with 2" slip PVC fittings. Spa chamber option limits feed rate for small bodies of water. Flow Rate Indicator and In-Line Check Valve sold separately. **NSF Listed for chlorine.**

Item	Description	Tablet Cap. (lbs.)	
		Small	Large
08-070	In-line Feeder	3.5	4.8
08-080	Commercial Flow Indicator, 1/2"		
08-090	In-Line Check Valve, 1 1/2" / 2"		



08-145
08-150

FLOATING CHEMICAL DISPENSER

Linear polyethylene construction, foam filled for added buoyancy. Twist lock cap with adjustable chlorinating control ring. Holds six 3" tablets or 3 lbs. of 1" tablets. 36" floating accessory leash with molded anchor plate and pressure sensitive pad ordered separately.

08-145 Floating chemical dispenser

08-150 Floating accessory leash

Chlorine Generators



CHLORINE GENERATORS

CHLOR KING NEXGEN GENERATORS

Produce liquid chlorine from salt. These low maintenance models utilize reverse polarity to clean the plates every 3 hours. The NexGen unit is a stand alone, on-site chlorine generator capable of producing pH neutral chlorine for use in your pool. Reduces acid consumption by 30 - 50% versus a bleach fed pool. These commercial quality generators use swimming pool water to feed the generator and distribute chlorine to the pool as needed. Uses venturi feed system for supply of chlorine to the pool and can be used with any ORP or PPM swimming pool controller. This system does not put salt into the swimming pool and will not raise TDS levels, like other chlorine generators. Eliminates the need to store large amounts of chlorine onsite. Touchscreen display with built in safety sensors for air, water, pressure, and tank level. Max amperage of 24 amps requires installation of 40 amp breaker. Skid mounted for easy installation. Requires plumbing vent line for Hydrogen dissipation. Units available that produce from 10 PPD (equivalent to 10 gallons of 12% pool bleach) in 24 hours to 80 PPD (equivalent to 80 gallons of 12% pool bleach) in 24 hours. Can feed up to six bodies of water from one system with venturis. Multiple units can be used for larger facilities. Available to be used as primary chlorine supply with traditional liquid chlorine or use with calcium hypochlorite feeders as back up. Excellent product to use when you have limited delivery or storage options for chemical supply. 208-240v, single phase, 60 Hz. **ETL/NSF Listed.**

Item	PPD Production	Skid Dimensions (L x W x H)	Weight (lbs.)
08-230	12 PPD	48" x 28" x 68"	950
08-235	24 PPD	48" x 28" x 68"	950
08-240	48 PPD	48" x 28" x 68"	1,000
08-245	60 PPD	48" x 28" x 68"	1,000
08-250	72 PPD	81" x 62" x 39"	1,250
08-255	96 PPD	81" x 62" x 39"	1,250
08-260	120 PPD	81" x 62" x 39"	1,250



CHLOR KING CHLOR SM GENERATORS

Patented single cell chlorine generator systems with production rates up to 28 lb. per day (PPD). The water cooled, switch mode power supply draws lower amperage for lower electrical installation costs. The reversing polarity cells facilitate fewer maintenance issues from mineral buildup and cell bridging. Salt is added to your swimming pool or spa water (1 lb. per 3,000 gallons) which then passes over a series of plates charged with low voltage electricity to produce chlorine. Units can handle pool sizes from 2,500 to 140,000 gallons. **NSF 50 Certified.**

Item	PPD Production	Voltage
08-300	2.2 PPD	120 Volt
08-305	3.0 PPD	120 Volt
08-310	6.0 PPD	120 Volt
08-320	8.0 PPD	208/240 Volt
08-325	11.0 PPD	208/240 Volt
08-330	14.0 PPD	208/240 Volt
08-335	17.0 PPD	208/240 Volt
08-340	22.0 PPD	208/240 Volt
08-345	28.0 PPD	208/240 Volt



09-735



SALINE C SERIES SYSTEM — The Saline C[®] 6.0 and Saline C 11.0 NSF certified commercial salt chlorine generators are designed to produce up to 6 lbs. or 11 lbs. of chlorine per day. Their compact designs are comprised of a single clear vessel and power supply, eliminating the need for daisy chaining multiple cells. This more-efficient design lowers installation costs and consumes less space. Designed specifically for commercial applications, pool operators/managers can now offer the benefits of a salt-chlorinated pool while lowering their sanitization costs by up to 60%.

- 09-735 Saline C 6.0
- 09-736 Saline C 11.0
- 09-740 HCSJ Box - Back Up



09-740





MEDIUM PRESSURE UV DISINFECTION SYSTEMS

PROMINENT ULTRAVIOLET DISINFECTION SYSTEMS — Improve water quality at your facility by installing a state-of-the-art UV System. The primary action of UV is to initiate photochemical and photo oxidation reactions which destroy chloramines and bacteria. These compounds are responsible for the unpleasant smells in pools and spas. This is particularly important for indoor pools where features such as water slides and wave pools have a greater surface area for the release of chloramines into the air. UV reduces the chloramine load, making the atmosphere safer and more pleasant. Additionally, UV kills bacteria, viruses, and mold spores, reducing the risk of transmission of stomach, skin and respiratory tract infections to bathers.

UV is part of the electro-magnetic spectrum, which includes visible light. Concentrated sunlight contains UV, which is a powerful natural disinfectant.

Benefits include:

- Reduces chloramine levels to well below .2 PPM.
- Reduces corrosive atmosphere inside building environment, dramatically improving air quality and virtually eliminates respiratory problems associated with chloramines.
- Eliminates 99.9% of all water borne viruses and bacteria, including chlorine resistant Cryptosporidium.

- Reduces the need to superchlorinate or "shock" the pool, and the subsequent downtime required with it.
- Reduces operating costs by cutting down on chemical usage through reductions in chemical demand.
- Reduces complaints of swimsuit fading, respiratory problems, and stomach discomfort.
- Safe, non-hazardous, and environmentally sound; no additional chemicals required.

The UV System requires very low maintenance. Once installed, only minor adjustments are made and an annual bulb change is required, which takes only a few minutes to accomplish. The unit is installed directly in the filtered water return line and treats the entire volume of pool water during recirculation. Systems are fully automated to insure correct UV dosage and alarmed for UV tube failure.

Systems consist of: 316TL stainless steel Treatment Chamber with quartz UV lamps; Monitor, with process alarm, which provides continuous measurement of UV intensity; and Control Unit with UV intensity meter output indicators, alarms; and UV intensity meter output with real-time LCD display. **UL and NSF Listed.**

Your Lincoln Representative can help size the proper UV System for your facility. Available in Washington and Oregon. Inquire for availability in other states.

Item	Model	Maximum Flow Rate (GPM)		Voltage	Phase	Lamp Quality Power kW	Flange Size
		Outdoor 400 J/m2	Indoor 600 J/m2				
09-550	1x1A	437	292	208/240	1	1 x 1	4"
09-555	1x2A	765	510	208/240	1	1 x 2	6"
09-560	1x3A	1,531	1,030	480	3	1 x 3	8"
09-565	1x3A	1,531	1,030	208/240	3	1 x 3	8"
09-570	2x2A	2,041	1,360	480	3	2 x 2	8"
09-575	2x2A	2,041	1,360	208/240	3	2 x 2	8"
09-580	2x3A	3,061	2,041	480	3	2 x 3	10"
09-585	2x3A	3,061	2,041	208/240	3	2 x 3	10"
09-590	3x3A	4,592	2,061	480	3	3 x 3	12"
09-595	3x3A	4,592	2,061	208/240	3	3 x 3	12"

REPLACEMENT LAMPS

- 09-600 UV Lamp Powerline 1 kW, for UVA and UVS
- 09-606 UV Lamp Powerline 2 kW, for UVA
- 09-611 UV Lamp Powerline 3 kW, for UVA
- 09-650 Lamp Protection Tube, for 1x1A
- 09-655 Lamp Protection Tube, for 1x2A
- 09-660 Lamp Protection Tube, for 1x3A, 2x2A, 2x3A, 3x3A
- 09-635 Wiper Element (2 required per UV lamp), for UVA and UVS



Low Impact | Less Cost | High Efficiency



TOLL FREE (800) 223-5450



HYDRORITE UV SYSTEM — The HydroRite UV system inactivates more than 99.9% of harmful chlorine-resistant microorganisms and deliver exceptional water quality to commercial pools and spas. Low-pressure, dual-wavelength UV bulbs provide sterilization with little to no impact on chlorine levels. Reduces irritating chloramines by 50% or more, improving air quality and enhancing swimmer comfort. Cuts chemical consumption by 50% or more and is less impactful on chlorine than medium pressure UV systems. Easy-to-install Schedule 80 PVC vessel with 316 L interior can be mounted either vertically or horizontally in-line installation. **NSF/ANSI Standard 50 Certified as a supplementary sanitization system.**

Item	Flow Rate GPM	Voltage	Phase	Connection Size
09-265	61	120 Volt	1	2"
09-266	133	120 Volt	1	3"
09-267	352	120 Volt	1	4"



09-800

BIOSHIELD CVP VERTICAL UV SYSTEM — Establishing a bio-secure swimming facility begins at the pool design stage. Low pressure UV systems are a proven solution to harmful waterborne pathogen problems and irritating chloramines. Pentair BioShield Commercial UV systems provide instant protection against Cryptosporidium, Giardia and remove chloramines. Vertical standing with flanged base, single-end top-loading lamp and quartz sleeve minimize floor space and maximize serviceability. Instant protection against Cryptosporidium and other harmful waterborne pathogens. Significantly reduces chemical odors within enclosed pool area. Conserve Free-Chlorine by as much as 30% compared to medium pressure UV systems. Enhanced, state-of-the-art electronic ballast, sized precisely to the lamp's power requirement, ensures optimal UV-C output and maximum "useful lamp life". Small footprint: vertical operation reduces required horizontal space. Unit can be installed horizontally if necessary. Cost-effective Schedule 80 solvent welded PVC plastic vessels stand up to corrosive Chlorine environments. High quality American made low-pressure, Amalgam UV lamps offer up to 12,000 hours of continuous operation. Low temperature lamps conserve energy and negate the need for quartz sleeve wiper systems. Choice of input/output piping connections. UV Vessel water temperature sensor/ alarm – protects vessel from temperatures exceeding 120°F. **Standard sizes available up to 555 GPM and NSF 50 Certified to PSI.**

Item	Lamps	UV-C Spectrum Watts	GPM @60 mj/cm ²	GPM @40 mj/cm ²	Port Size
09-800	1/130	40	33	49	2"
09-805	2/130	80	60	90	3"
09-810	3/130	120	83	125	3"
09-815	3/130	120	111	167	4"
09-820	4/130	160	151	227	4"
09-825	5/130	200	181	272	6"
09-830	6/130	240	244	365	6"
09-835	7/130	280	287	430	6"
09-840	7/130	280	328	492	6"
09-845	8/130	320	369	555	6"

LOW PRESSURE UV DISINFECTION SYSTEMS

CHLOR KING SENTRY AQUA GUARD ULTRAVIOLET SYSTEMS — Designed for commercial pools and spas. Uses low pressure, high output amalgam technology, for better chloramine control and inactivation of chlorine resistant bacteria. Improves water quality and air quality for patrons. Also helps meet new Health Codes related to maximum chloramine levels. Systems pay for themselves through low cost of operation and long lasting performance. System uses UV technology to achieve 4 log reduction for the inactivation of cryptosporidium and other chlorine resistant bacteria. Designed with a patent pending quick disconnect sleeve assembly for install, removal, or repair of the chamber. Units can be installed horizontally or vertically in most pump rooms. Constructed of schedule 80 PVC with 316L interior in U-style or full 316L stainless steel that is electro polished and available in U or Z style flange set up. High output amalgam lamps, built in safety sensors for pressure or flow, with flanged inlet and outlet connections. All units operate on 120v. **NSF 50 and UL Listed.**

Item	Model	Lamps	Connection Size	Flow Rate @ 45 mj/cm ²
09-465	SAG-120-APVC	1	2"	75 GPM
09-470	SAG-240-APVC	2	3"	150 GPM
09-475	SAG-120-A	1	2"	50 GPM
09-480	SAG-240-A	2	3"	120 GPM
09-485	SAG-480-A	4	4"	350 GPM
09-490	SAG-720-A	6	6"	620 GPM
09-491	SAG-960-A	8	6" or 8"	770 GPM
09-492	SAG-1200-A	10	8" or 10"	1140 GPM



09-485



09-470

LOW PRESSURE UV DISINFECTION SYSTEMS

CHLOR KING SENTRY AQUA GUARD CR ULTRAVIOLET SYSTEMS — The CR System is secondary disinfection certified for single pass cryptosporidium removal. Uses low pressure, high output amalgam technology, for better chloramine control and inactivation of chlorine resistant bacteria. Sentry Aqua Guard- CR Systems have been third party validated for cryptosporidium removal by NSF, to confirm a minimum inactivation equivalent of 3 log (99.9%) cryptosporidium parvum, in accordance with NSF 50 and the US EPA UV DGM. The CR Systems have also met the requirements of NSF/ANSI 50, Annex H.1: Disinfection Efficacy for a minimum of a 3 log (99.9%) reduction of enterococcus faecium and pseudomonas aeruginosa. Designed with a patent pending quick disconnect sleeve assembly for install, removal, or repair of the chamber. Units can be installed horizontally or vertically in most pump rooms. Constructed of schedule 80 PVC with 316L interior in U-style or full 316L stainless steel that is electro polished and available in U or Z style flange set up. High output amalgam lamps, built in safety sensors for pressure or flow, with flanged inlet and outlet connections. All units operate on 120v. **NSF 50 and UL Listed.**



Item	Model	Lamps	Connection Size	Max Flow Rate @ 91% UVT (GPM)
09-466	SAG-120-APVC-CR	1	2"	75 GPM
09-471	SAG-240-APVC-CR	2	3"	150 GPM
09-472	SAG-480-APVC-CR	4	2"	352 GPM
09-476	SAG-120-A-CR	1	4"	46 GPM
09-481	SAG-240-A-CR	2	2"	119 GPM
09-486	SAG-480-A-CR	4	3"	352 GPM
09-493	SAG-720-A-CR	6	4"	620 GPM
09-494	SAG-960-A-CR	8	6" or 8"	770 GPM
09-495	SAG-1200-A-CR	10	8" or 10"	1141 GPM

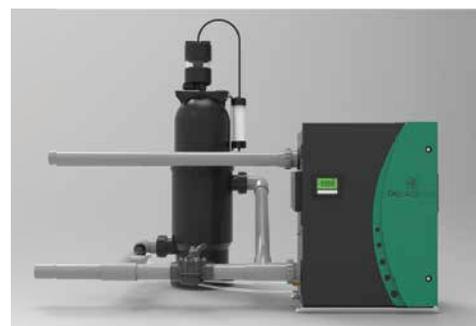
CMP DEL UV-C PRO SYSTEMS — Systems use UV-C light to provide superior disinfection and chloramine removal of pool and spa water. Prevents microorganism growth, breaks down chloramines, and optimizes water clarity which allows reduced chemical usage. The UV-C Pro systems use low-pressure (254 nm) bulbs, in a modular design, to provide a completely integrated system. The bulbs cycle on and off quickly with zero downtime, perfect for environments that require total, constant protection. This easy-to-install, high-flow sanitizer system is also easy to maintain. Controls and UV-C reactors are all in one cabinet. UV-C Pro 50 and 100 systems have optional PLC controls. **Certified to NSF/ANSI 50** for Supplemental Disinfection of Pools and Spas.



Item	Description	Max. Flow Rate	Voltage	Inlet/Outlet
09-850	UV-C Pro 50 System	50 GPM	115 volt	2"
09-855	UV-C Pro 50 System w/PLC	50 GPM	115 volt	2"
09-860	UV-C Pro 100 System	100 GPM	115 volt	2"
09-865	UV-C Pro 100 System w/PLC	100 GPM	115 volt	2"
09-870	UV-C Pro 200 System w/PLC	200 GPM	230 volt	3"
09-875	UV-C Pro 350 System w/PLC	350 GPM	230 volt	4"
09-880	UV-C Pro 500 System w/PLC	500 GPM	230 volt	6"

AOP SYSTEMS

CMP DEL AOP PRO SYSTEMS — Advanced Oxidation Process (AOP) systems for supplemental oxidation. Ozone and UV-C combine to create hydroxyl radicals that destroy microorganisms, break down chloramines and significantly reduce chemical usage. The optimized ozone/UV-C ratio results in hydroxyl radical creation that far exceeds any competitive AOP system. Destroys 99.9% of Harmful Contaminants: 3-Log Supplemental Water Disinfection. Improves water clarity, controls biofilm, and oxidizes Crypto, Giardia, and other chlorine resistant microorganisms. Simple annual service requirements. Self contained system is easy to install. AOP 50 and 100 systems have optional PLC controls and utilize ambient air supply, while larger units utilize an Oxygen Concentrator. **Certified to NSF/ANSI 50** for Supplemental Disinfection of Pools and Spas.



Item	Description	Max. Flow Rate	Oxygen Feed	Voltage	Inlet/Outlet
09-940	AOP Pro 50 System	50 GPM	Ambient Air	115 VOLT	2"
09-945	AOP Pro 50 System w/PLC	50 GPM	Ambient Air	115 VOLT	2"
09-950	AOP Pro 100 System	100 GPM	Ambient Air	115 VOLT	2"
09-955	AOP Pro 100 System w/PLC	100 GPM	Ambient Air	115 VOLT	2"
09-960	AOP Pro 200 System w/PLC	200 GPM	O2 Concentrator	230 VOLT	3"
09-965	AOP Pro 350 System w/PLC	350 GPM	O2 Concentrator	230 VOLT	4"
09-970	AOP Pro 500 System w/PLC	500 GPM	O2 Concentrator	230 VOLT	6"

Sanitization Systems

CLEAR COMFORT AOP SYSTEMS

Discover cleaner, clearer and healthier water with Clear Comfort's hydroxyl-based advanced oxidation sanitation systems. This patented Advanced Oxidation Process (AOP) technology creates powerful hydroxyl radicals that destroy the toughest contaminants and recreational water illnesses, like Cryptosporidium, on contact. Clear Comfort offers a better, more affordable and easier alternative to UV and ozone systems for supplemental disinfection. With Clear Comfort, your facility can improve water and air quality, while reducing up to 50% of chlorine use and costs. In addition, Clear Comfort's technology is third-party proven to reduce over 70% of harmful disinfection byproducts and other types of combined chlorine. With treatment capability that ranges from spas to waterparks, join other top aquatic facilities across the nation that have upgraded to Clear Comfort.



09-720



09-700



09-690

CCW500 SYSTEM — Low power consumption and operating costs. Reduced chlorine use and costs by 30% to 50%. Decreased chemical handling. Proven to destroy over 99.99% of Cryptosporidium parvum. No downtime for annual maintenance.

- 09-720 CCW500
- 09-670 Replacement Cartridge
- 09-725 CCW500 Installation Kit

CCW300 SYSTEM — Simple, low impact venturi installation, self regulating. Equipment room grade NEMA 3R enclosure. LED operation indicator lights.

- 09-700 CCW300
- 09-675 Replacement Cartridge
- 09-710 CCW300A
- 09-680 Replacement Cartridge
- 09-705 CCW300 Installation Kit

CCW100 SYSTEM — Clean, clear water without irritation or allergic reactions. Destroys 90%+ of disinfection byproducts. Reduces or eliminates chemical odor. Safe for pregnant women and chlorine sensitive patrons.

- 09-690 CCW100-V2
- 09-685 Replacement Cartridge
- 09-695 Installation Kit

Specification	CCW100	CCW300A	CCW300	CCW500
Water Capability	Up to 40,000 Gallons	<125,000 Gallons	<250,000 Gallons	<1,000,000 Gallons
Max Flow Rate	90 GPM	350 GPM	700 GPM	2,000 GPM
Injection Method	Venturi	Venturi	Venturi	Venturi
Operating Voltage	110V or 220V	120V or 240V	120V or 240V	120V or 240V
Power Consumption	10 Watts	20 Watts	40 Watts	120 Watts
Dimensions	H: 12" W: 8" D: 3"	H: 20" W: 16" D: 8"	H: 12" W: 8" D: 3"	H: 40" W: 24" D: 10"
Installation Clearance	H: 17" W: 20" D: 20"	H: 25" W: 30" D: 25"	H: 25" W: 30" D: 25"	H: 47" W: 36" D: 27"



CARBON DIOXIDE SYSTEMS

TEK™ CARBON DIOXIDE SYSTEMS — CO₂ is used to lower the pH in swimming pools. CO₂ forms Carbonic Acid to help lower pH levels. CO₂ generates a natural bicarbonate buffer that makes the water more stable and prevents the pH from dropping below 6.8. With Total Alkalinity at the proper levels, pH changes are very slow, and the pH is easier to maintain. Safe! Eliminates the use of Muriatic Acid.

TEK™ AUTOMATIC SWITCHOVER SYSTEM Includes: wall mounted, automatic switchover regulator with pressure gauges, cylinder hoses, 20' CO₂ tubing, and fittings. Pools without automatic chemistry control, require purchase of: TEK™ CO₂ feed unit and CO₂ diffuser with check valve, plus any additional CO₂ tubing required, for each pool to be fed. Pools with automatic chemistry control, require purchase of: TEK™ CO₂ solenoid valve or TEK™ CO₂ feed unit with solenoid valve, and CO₂ diffuser with check valve, plus any additional CO₂ tubing required, for each pool to be fed. CO₂ in-line heaters (120v) can be added to each cylinder being fed to reduce regulator freeze-up. Specify pool size(s) when ordering.

- 9-045 CO₂ system - Auto switchover, 1/4"
- 9-047 CO₂ system - Auto switchover, 3/8"

TEK™ SINGLE TANK SYSTEM — Includes: single tank regulator with pressure gauge, CO₂ feed unit with flow meter, CO₂ diffuser with check valve, 20' CO₂ tubing, and fittings. Pools with automatic chemistry control require purchase of TEK™ CO₂ solenoid unit, plus any additional CO₂ tubing required.

- 9-040 CO₂ system - Single tank



TEK™ CARBON DIOXIDE ACCESSORIES

- 9-050 CO₂ solenoid valve, 120 volt, 1/4"
- 9-055 CO₂ remote flow meter
- 9-059 CO₂ diffuser with check valve, 3/8"
- 9-060 CO₂ diffuser with check valve, 1/4"
- 9-061 CO₂ diffuser muffler
- 9-065 CO₂ tubing, per ft.
- 9-070 CO₂ teflon washers
- 9-075 CO₂ in-line heater
- 9-076 CO₂ stainless flex line, 24"



9-085

TEK™ CARBON DIOXIDE FEED UNITS

Convenient, wall mounted, Carbon Dioxide Feed Units used with single tank or automatic switchover regulators ordered separately. NEMA 4 fiberglass enclosure houses CO₂ solenoid valve only, CO₂ feed unit only, or CO₂ feed unit with solenoid valve. Order CO₂ diffuser with check valve for each pool to be fed, separately. 120 volt.

- 9-079 CO₂ Solenoid Unit
- 9-080 CO₂ Feed Unit
- 9-084 CO₂ Feed Unit with Solenoid, 3/8"
- 9-085 CO₂ Feed Unit with Solenoid, 1/4"

TEK™ CARBON DIOXIDE FEED SYSTEM

System includes fiber-glass NEMA 4 enclosure with CO₂ flow meter, CO₂ solenoid valve, 3/4 HP booster pump, and venturi. Available with cast iron or stainless steel booster pump, mounted on fiberglass base. Must be used with automatic chemical controller. Use one feed system for each pool. CO₂ regulator (for each pool) ordered separately. 120 volt.

- 9-115 CO₂ Feed System - cast iron pump
- 9-116 CO₂ Feed System - stainless pump



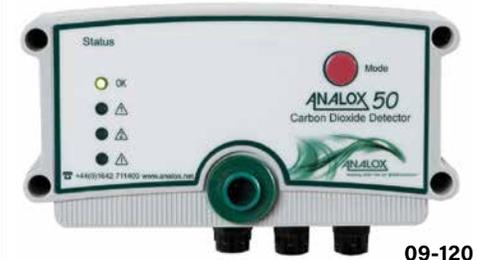
BULK STORAGE TANKS

CARBON DIOXIDE BULK STORAGE TANKS

Replaces need to store high pressure CO₂ cylinders. Use of a bulk CO₂ tank will do the job of eight or more CO₂ cylinders and will require less floor space. Bulk tanks are permanently installed and do not require your employees to do cylinder changes or to move high pressure cylinders. Exterior fill box allows bulk tank to be filled conveniently. Double wall stainless steel vessels with stable 6" welded uni-body legs. Patented Sure-Fill system enables tank filling with no manual venting. Available in 2 sizes: 450 lbs. (20" dia.) and 750 lbs. (26" dia.) Bulk storage tanks include: tank with legs, external tank epoxy coating, and easy-to-read gauges for CO₂ contents and tank pressure. External remote fill box (surface mount or flush mount), and connecting fill/vent hoses (5' to 50' ordered separately).

Item	Description	Liquid Storage Capacity (lbs.)	Maximum Continuous Feed Rate (lbs./Hr.)
9-102	Carbo-Mizer 450	453	5.5
9-107	Carbo-Max 750	771	15

Item	Description
9-121	SS Fill Box, Surface Mount
9-122	SS Fill Box, Flush Mount
9-123	Fill/Vent Hose Kit, 5'
9-124	Fill/Vent Hose Kit, 10'
9-125	Fill/Vent Hose Kit, 15'
9-126	Fill/Vent Hose Kit, 25'
9-127	Fill/Vent Hose Kit, 30'
9-128	Fill/Vent Hose Kit, 50'



CARBON DIOXIDE DETECTOR ANALOX CARBON DIOXIDE DETECTOR

Monitors storage room for excess carbon dioxide levels. Audible warning alarm and light flashes on both remote indicator unit placed outside of room and main sensor unit mounted inside storage room. Range: 0.1- 5%. 110/240 VAC or 24 VDC.

9-120

Chemical Feed Pumps



PROMINENT ELECTRONIC SOLENOID PUMPS



10-500

PROMINENT CONCEPT PLUS FEED PUMPS

Solenoid metering pumps with capacity range of 0.20 to 3.17 GPH at pressures up to 145 psi. Adjustment of the pump capacity is via the stroke length in the range of 10-100% or can be set at 1 of the 4 stroke frequency settings. This gives an adjustment ratio of 40:1. External control via dry contact pulse (1:1). Acrylic/PVC liquid end materials. 115 volt, 60 Hz. **NSF 50/61 Listed.**

Item	Output	Tube Size	Spare Parts Kit
10-500	13 GPD @ 145 psi	3/8" OD	10-525
10-505	18 GPD @ 145 psi	3/8" OD	10-530
10-510	25 GPD @ 102 psi	3/8" OD	10-535
10-515	57 GPD @ 44 psi	3/8" OD	10-540
10-520	95 GPD @ 28 psi	3/8" OD	10-545



10-550

PROMINENT BETA FEED PUMPS —

Solenoid metering pump capable of flows from 0.16 to 8.45 GPH and pressures to 363 psi. Feed rate is determined by stroke length and stroke frequency. Stroke length is adjusted from 0% to 100% with a 10:1 turndown. Stroke frequency is adjusted in 10% increments from 10-100. External contact input for pulse control with a range from 1:64 – 64:1. 110/230 volt, 60 Hz. **NSF 61 Listed.**

Item	Output	Tube Size	Spare Parts Kit
10-550	120 GPD @ 58 psi	1/2" OD	10-565
10-555	109 GPD @ 58 psi	1/2" OD	10-570
10-560	203 GPD @ 29 psi	1/2" OD	10-525

PROMINENT MOTOR DRIVEN PUMPS



10-600

PROMINENT SIGMA FEED PUMPS

Mechanically-actuated diaphragm pumps. Pumps are programmable and display comprehensive data for monitoring and recording. Functions include: digital setting of stroke frequency, manual stroke length adjustment, integral variable speed and access codes. Designed to be hard plumbed. 3/4" MPT connections, 115 volt, 60 Hz. **NSF 61 Listed.**

Item	Output	Spare Parts Kit
10-600	13.2 GPH (316.8 GPD) @ 102 psi	10-620
10-605	26.7 GPH (640.8 GPD) @ 58 psi	10-620
10-610	41 GPH (984 GPD) @ 145 psi	10-630
10-615	69.7 GPH (1,672.8 GPD) @ 145 psi	10-635



10-695

PROMINENT ACCESSORIES

PROMINENT WALL MOUNTING BRACKETS

Two models available: Fiberglass reinforced model for Beta and Concept pumps and Polypro model for Sigma pumps.

10-695 Beta and Concept pumps

10-700 Sigma pumps



10-650

PROMINENT MULTIFUNCTION VALVE
Back pressure, anti-siphon protection, pressure relief, priming aid, and for draining discharge line. PVDF materials with smooth action rotary knobs. Used with Beta pumps.

10-650 Multifunction valve, 1/2"

PROMINENT INJECTION VALVES — For ProMinent series pumps.

Item	Pump Series	Valve Connection Size
10-725	Concept	1/4"
10-730	Concept	3/8"
10-735	Beta	1/2"
10-740	Sigma	3/4"
10-745	Sigma	3/4"



10-675



10-685

PROMINENT PULSATION DAMPENERS

Used to separate air and liquid from chemical feed lines. Single-port model is teed off pump suction or discharge line. Viton materials for sodium hypochlorite and muriatic acid or PVDF/Nordel for sodium hydroxide (caustic) applications. Used with Sigma pumps.

10-675 Single Port Pulsation Dampener

PROMINENT PRESSURE VALVES —

2-Port Backpressure valve to provides constant discharge pressure for protection from siphoning. 3-Port Pressure Relief valve is mounted in discharge line and returns product back into source tank. Used with Concept and Beta pumps.

10-685 2-Port Backpressure valve, 1/2"

10-690 3-Port Pressure Relief valve, 1/2"



10-070

ELECTRONIC CHEMICAL FEED PUMPS PULSATRON E PLUS FEED PUMPS

Electronic solenoid pump with stroke length and stroke speed control. 100:1 turndown ratio for accurate feed control. Clear hinged cover protects controls from moisture. PVC Head. Includes: injection fitting, 16' of tubing, and choice of standard bleed valve, 5 function valve with anti-siphon, or 5 function valve with degas (for sodium hypochlorite) and anti-siphon. Specify chemical being used. 120 volt. **ETL Listed.**

Maximum Output	PSI	With Bleed Valve	With 5 F.V.	5 F.V. with Degas
12 GPD	100	10-050	10-051	10-052
24 GPD	100	10-055	10-056	10-057
44 GPD	100	10-060	10-061	10-062
120 GPD	100	10-065	10-066	10-067
192 GPD	50	10-070	10-071	10-072



10-275

PULSATRON A PLUS FEED PUMPS — Electronic solenoid pump with stroke length and speed control. 100:1 turndown ratio. PVC Head. Includes: injection fitting, 16' of tubing, and choice of standard bleed valve, 5 function valve with anti-siphon, or 5 function valve with Degas (for sodium hypochlorite) and anti-siphon. Specify chemical being used. 120 volt. **ETL Listed.**

Maximum Output	PSI	With Bleed Valve	With 5 F.V.	5 F.V. with Degas
12 GPD	150	10-245	10-250	10-255
24 GPD	100	10-260	10-265	10-270
48 GPD	50	10-275	10-280	10-285



LMI CHEMICAL FEED PUMPS — LMI chemical feed pumps have long been the standard for accurate and reliable chemical dispensing. All pumps are electronic solenoid driven. All pumps include suction and discharge tubing, foot valve, and injection fitting. Specify chemical being used when ordering. 115/230 volt. All pumps are **UL Listed and NSF 50/61 Certified.**

LMI PD SERIES CHEMICAL FEED PUMPS — Simplified capacity setting with constant stroke range. FastPrime liquid end allows for fast and easy priming with integrated bleed valve. AutoPrime liquid end allows for de-gassing during pump priming and operation when used with Sodium Hypochlorite (Bleach).

Item	Maximum Output	PSI	Chemical	Liquid End
10-006	16 GPD	250	Bleach	AutoPrime
10-007	16 GPD	250	Acid	FastPrime
10-008	26 GPD	150	Bleach	AutoPrime
10-009	26 GPD	150	Acid	FastPrime
10-011	48 GPD	70	Bleach	AutoPrime
10-012	48 GPD	70	Acid	FastPrime



LMI B SERIES & C SERIES CHEMICAL FEED PUMPS — Electronic solenoid driven chemical feed pumps with variable speed and stroke length adjustments. Rugged chemical resistant housing for corrosive environments and chemicals. Four Function Valve AutoPrime liquid end allows for de-gassing during pump priming and operation when used with Sodium Hypochlorite (Bleach).

Item	Maximum Output	PSI	Chemical	Liquid End
10-013	108 GPD	50	Bleach	AutoPrime
10-014	108 GPD	50	Acid	FastPrime
10-016	192 GPD	60	Bleach	AutoPrime
10-017	192 GPD	60	Acid	FastPrime



10-290

10-292

MOTOR DRIVEN CHEMICAL FEED PUMPS

LMI SD SERIES FEED PUMPS — High output metering pumps with 10:1 turndown ratio. Mechanically actuated diaphragm pumps with manually adjustable stroke length. Totally enclosed 120 volt motor, with urethane coated cast housing. Pump heads have 1/4" NPT plumbing connections. 345.6 GPD pump only includes: liquid end kit with 4 function valve, foot valve, and injection check valve. Order pressure relief valve to protect pump separately. Specify chemical being used. **NSF Listed.**

Item	Maximum Output	PSI	Pressure Relief Valve
10-290	345.6 GPD	150	10-283
10-291	600 GPD	100	10-284
10-292	1200 GPD	100	10-284



10-300



LMI PRIMING VALVES — These multifunction valves come with a 1/2" discharge connection. They can be adapted by using the appropriate tubing connection kit. Ordered separately.

10-036 Priming Valve, up to 150 psi

10-037 Priming Valve, up to 250 psi

LMI AUTOPRIME VALVES — These multifunction valves come with 1/2" MPT discharge connection. They can be adapted to tubing by using the appropriate tubing connection kit.

10-038 Autoprime Valve, up to 150 psi

10-039 Autoprime Valve, up to 250 psi

LMI TUBING CONNECTION KITS — These tubing connection kits come with the coupling nut and the compression ferrules. The 3/8" and 1/2" kits use both a male and a female ferrule. Ordered separately.

10-046 Tubing Connection Kit, 1/4" OD Tubing

10-047 Tubing Connection Kit, 3/8" OD Tubing

10-048 Tubing Connection Kit, 1/2" OD Tubing

Chemical Feed Pumps

Blue-White Industries, Ltd.



BLUE-WHITE FLEXFLO FEED PUMPS

Peristaltic pump design does not have valves that can clog, requiring maintenance. Self priming - even against maximum line pressure. Analog timer. By-pass valves are not required. Cannot vapor lock or lose prime. Outputs to 76.1 GPD. Output pressures to 100 PSI. Output volume is not effected by changes in back pressure. Patented pump tube design installs easily and stays centered on the rollers without manual adjustment. Two pump tubes supplied with each pump. No extra tubing required. Fixed Speed. Dial Knob Control 60 second cycle timer. Easy to use dial knob output control. 20:1 turndown ratio. Adjustable 60 second repeating interval timer. 3-60 second adjustable on time per 60 second cycle. Built-in Tube Failure Detection system (TFD). Senses chemical in the pump head, shuts off the pump and activates an NPN open collector output. Compatible with Blue-White's output flow verification sensor system. Durable housing of chemical resistant Valox (PBT) thermoplastic. **ETL/NSF Listed.**

Item	Output GPD	PSI	RPM	Tube Size
A-100N 115V				
10-345	2.4	100	14	1/4"
10-355	4.9	100	30	1/4"
10-350	6.96	100	14	3/8"
10-360	21.6	50	14	7/16"
10-340	30.1	75	60	3/8"
10-341	52.5	50	30	7/16"
10-342	76.1	50	45	7/16"
10-343	95.0	50	60	7/16"
A-100N 230V				
10-380	5.0	100	14	1/4"
10-390	6.96	100	30	3/8"
10-370	16.1	100	14	3/8"
10-395	24.0	50	14	3/8"
10-396	30.0	75	60	3/8"
10-400	52.5	50	30	7/16"
10-375	76.1	50	45	7/16"
10-376	95.0	50	60	7/16"
Tube Assembly				
11-315	Retro-Fit Kit			
11-340	A-002N-4T Replacement 1/4" OD			
11-345	A-002N-6T Replacement 3/8" OD			
11-350	A-002N-7T Replacement 7/16" OD			



BLUE-WHITE FLEXFLO FEED PUMPS

High output feed pumps by Blue-White. Ideal pumps for large commercial pools and water parks. Self-priming, peristaltic pump design. Outputs from 100 GPD at 40 psi to 382 GPD at 50 psi. Patented Tube Failure Detection (TFD) System with NEMA 4X enclosure, LCD display, and variable speed brushed DC motor. 100:1 turndown ratio. Chemically resistant tubing for feeding both sodium hypochlorite and muriatic acid. 3/8" x 1/4" ID compression tubing connections. 115 volt/60 HZ, 230 volt pumps also available- inquire. **ETL/NSF Listed.**

Item	Model	Output GPD	PSI	Tube Size
10-405	FlexFlo A1A	.01 - 100.0	40	3/8"
10-410	FlexFlo A2A	1.32 - 132.0	50	3/8"
10-415	FlexFlo A2A	3.82 - 382.0	40	3/8"



ROLA-CHEM CHEMICAL FEED PUMPS

Peristaltic feed pump. Measured feed rate with built-in timing system, heavy-duty gear motor, self priming pumping with quick release cover for fast tubing access, and chemical resistant plastic housing. Includes: feed tube, 66" x 7/16" vinyl discharge tubing, and injection fitting. 120 volt, 60 HZ. **NSF Listed.**

- 10-126 12.0 GPD @ 30 psi
- 10-127 38.0 GPD @ 30 psi
- 10-128 77.0 GPD @ 30 psi



10-101

STENNER CHEMICAL FEED PUMPS

QuickPro Series single head, peristaltic metering pumps with unique control mechanism that allows pump feed rate to be scaled from 5%-100%. Built with three detachable components: motor, feed rate control and pump head. Output is determined by: motor rpm, percentage setting of feed rate control and pump tube size. 120v/60 Hz. 220v models also available. Includes: pump, spare pump tube, connecting nuts, ferrules, 20' x 3/8" suction/discharge tubing, injection fitting, weighted suction line strainer, latches, mounting bracket, and operations manual. Rain Roof for outdoor installation ordered separately. Adjustable models tested to conform to **ANSI/NSF STD 50**.

Single Head	Feed Tube Size	Maximum Output	PSI
45 M Series			
10-095	#2	.5 - 10 GPD	25
10-096	#5	2.5 - 50 GPD	25
85 M Series			
10-100	#2	.8 - 17 GPD	25
10-101	#5	4.3 - 85 GPD	25
11-139	Stenner Rain Roof		



10-110

STENNER CHEMICAL FEED PUMPS —

QuickPro Series dual head, peristaltic metering pumps. Same as single head pump features described above. 120v/60 Hz. 220v models also available. Includes: pump, spare pump tube, connecting nuts, ferrules, 20' x 3/8" suction/discharge tubing, injection fitting, weighted suction line strainer, latches, and mounting bracket. Rain Roof for outdoor installation ordered separately. **ANSI/NSF STD 50**.

Dual Head	Feed Tube Size	Maximum Output	PSI
100 MDC Series			
10-105	#2	1.0 - 20 GPD	25
10-106	#5	5.0 - 100 GPD	25
170 MDC Series			
10-110	#5	8.5 - 170.0 GPD	25
11-139	Stenner Rain Roof		



10-155

STENNER S VARIABLE CHEMICAL FEED PUMP —

Variable speed S4V peristaltic chemical metering pump with Quick-Pro pump head and built-in leak detection. Adjustable Flow Rate- from 7.5- 150 GPD output @ 25psi. NEMA 4X enclosure with LED indicator lights and 20:1 turndown ratio. Includes: pump, spare pump tube, connecting nuts, 20' x 3/8" suction/discharge tubing, injection ball check valve, weighted suction line strainer, and mounting bracket. 120 volt/60 HZ. **2 Year Warranty. NSF 50/61 Listed.**

10-155

11-186 Santoprene Pump Tubes #5X 2 pk

11-187 S Variable Pump Head Service Kit #5X



10-165

BETA CHEMICAL FEED PUMPS —

Peristaltic, self priming chemical feed pumps. Easy to read liquid crystal display screen, allows you to program dose, delay, and lockout feed times. Water and UV resistant enclosure. Available in 2 styles: **Pool Shot** - for repeated dosage or controller activated cycles. **Pool 2000** - low dosage pump with turndown rates as low as 1 second per day. 7 day clock allows programming up to 24 events per day, one day per week, all weekdays, all weekends, or daily events. 1/4" tubing connections. Includes battery back-up to protect dosage cycles. 115 volts. **2 Year Warranty. NSF Listed.**

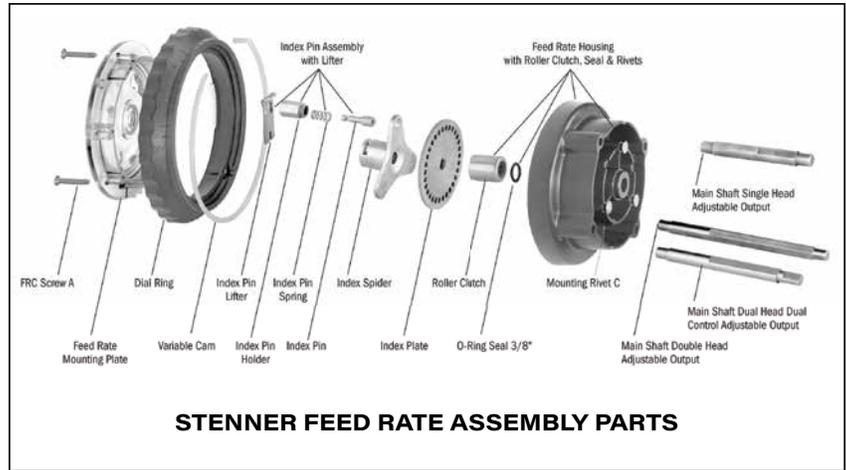
10-160 Pool Shot - 14 GPD @ 30 psi

10-165 Pool 2000 - 9.6 GPD @ 30 psi

Chemical Feed Pump Parts

STENNER FEED RATE ASSEMBLY PARTS

Part Number	Description
11-FC5040D	Single Head Feed Rate Control with Shaft
11-DM5040D	Double Head Feed Rate Control with Shaft
11-DM504DC	Dual Head Dual Control Feed Rate Control with Shaft
11-FCS000A	FRC Screw "A"
11-FC5N000	Feed Rate Mounting Plate
11-FC5M040	Dial Ring
11-UCFC5H0	Variable Cam, pkg. of 2
11-UCFC5L1	Index Pin Lifter, pkg. of 2
11-FC5L005	Index Pin Holder
11-FC5L003	Index Pin Spring
11-FC5L002	Index Pin
11-FC5K00D	Index Spider
11-UCFC5ID	Index Plate
11-FC5F000	Roller Clutch
11-FC5E000	O-Ring Seal 3/8"
11-FCS000C	Mounting Rivet "C"
11-UCFC5AD	Main Shaft for Single Head-Adjustable Rate
11-DM5A00D	Main Shaft for Double Head Adjustable Rate
11-DM5A0DC	Main Shaft for Dual Head Dual Control - Adjustable Rate
11-FC5D00S	Feed Rate Housing with Roller Clutch, Seal and Rivets



STENNER FEED RATE ASSEMBLY PARTS

STENNER CLASSIC PUMP HEAD PARTS

Part Number	Description
11-UC3ASYD	Roller Assembly
11-CP33000	Standard Roller
11-CP31RSB	Roller Shaft Bushing
11-UCCPS0B	Cover Screw "B" Package of 10

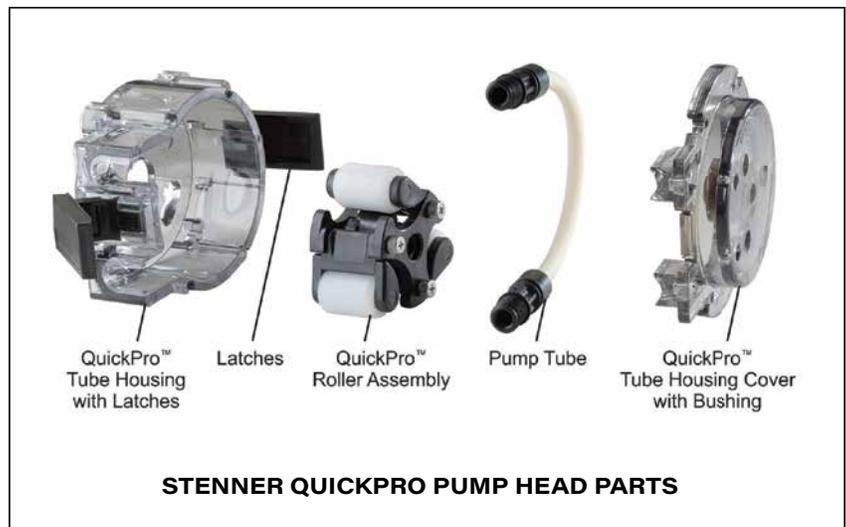


STENNER CLASSIC (NON-QP) PUMP HEAD PARTS



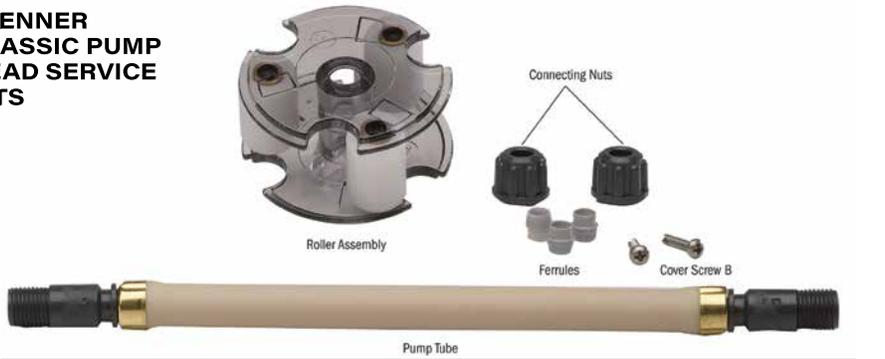
STENNER QUICKPRO PUMP HEAD PARTS

Part Number	Description
11-QP251-1	#1 QuickPro Pump Head with ferrules 1/4"
11-QP252-1	#2 QuickPro Pump Head with ferrules 1/4"
11-QP253-1	#3 QuickPro Pump Head with ferrules 1/4"
11-QP254-1	#4 QuickPro Pump Head with ferrules 1/4"
11-QP255-1	#5 QuickPro Pump Head with ferrules 1/4"
11-QP257-1	#7 QuickPro Pump Head with ferrules 1/4"
11-QP400-1	QuickPro Tube Housing w/latches
11-QP500-1	QuickPro Roller Assembly
11-QP100-1	QuickPro Tube Housing Cover with bushing
11-QP401-2	QuickPro Latches (2/pkg.)



STENNER QUICKPRO PUMP HEAD PARTS

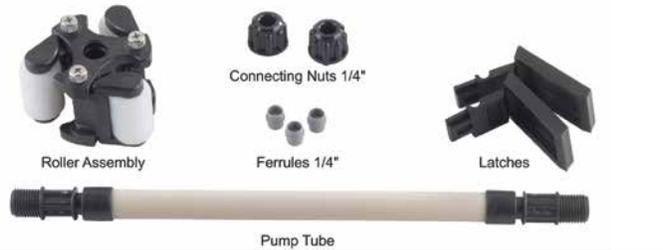
STENNER CLASSIC PUMP HEAD SERVICE KITS



STENNER CLASSIC PUMP HEAD SERVICE KITS — Contains parts to rebuild 0-25 psi Stenner Classic pump head. Kit includes: pump tube, roller assembly, 2 x connecting nuts, 3 x ferrules, and 2 x cover screws.

- 11-PSKL01** #1 Pump Head Service Kit
- 11-PSKL02** #2 Pump Head Service Kit
- 11-PSKL03** #3 Pump Head Service Kit
- 11-PSKL04** #4 Pump Head Service Kit
- 11-PSKL05** #5 Pump Head Service Kit

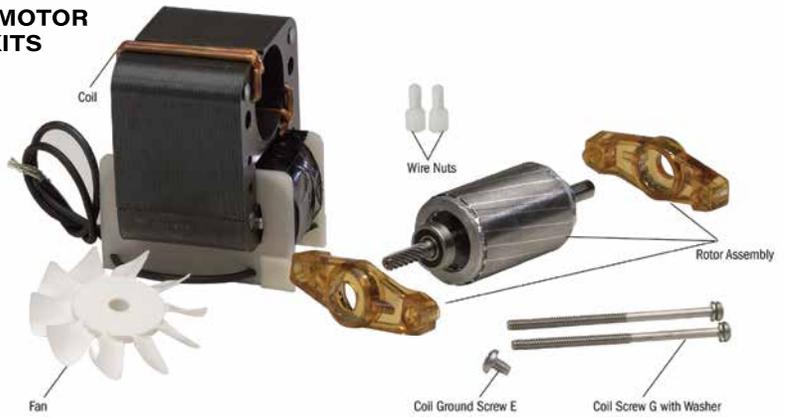
STENNER QUICKPRO PUMP HEAD SERVICE KITS



STENNER QUICKPRO PUMP HEAD SERVICE KITS — For single head 0-25 psi pumps. Includes: pump tube, roller assembly, 2 x connecting nuts, 3 x ferrules, and 2 x latches.

- 11-QP251K** #1 QP Pump Head Service Kit
- 11-QP252K** #2 QP Pump Head Service Kit
- 11-QP253K** #3 QP Pump Head Service Kit
- 11-QP254K** #4 QP Pump Head Service Kit
- 11-QP255K** #5 QP Pump Head Service Kit

STENNER MOTOR SERVICE KITS

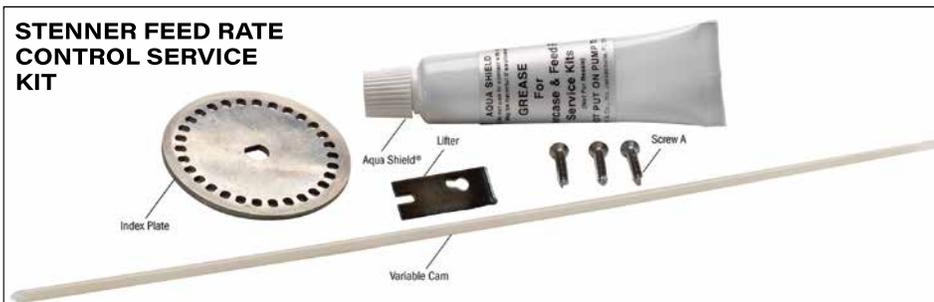


STENNER MOTOR SERVICE KITS

Contains parts to service 120 volt and 220 volt motors. Kit includes: coil, rotor assembly with brackets, tolerance rings, fan, ground screw, 2 x coil screws, and 2 x wire nuts.

- 11-MSK120** 120 volt/60 Hz
- 11-MSK220** 220 volt/60 Hz

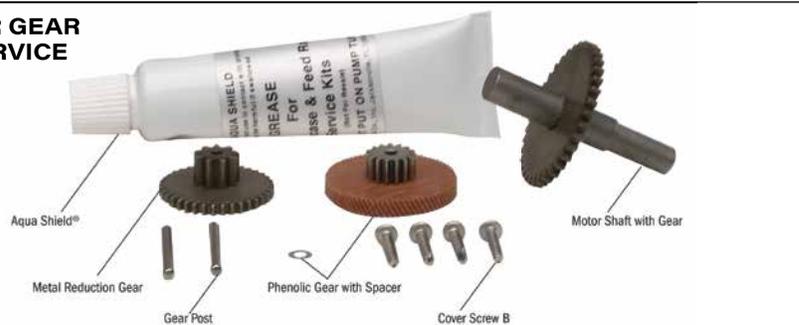
STENNER FEED RATE CONTROL SERVICE KIT



STENNER FEED RATE CONTROL SERVICE KIT — Service kit for adjustable pumps. Kit contains: lifter, index plate, 1 oz. tube AquaShield grease, 3 x Screw A, and variable cam.

11-FSK100

STENNER GEAR CASE SERVICE KITS



STENNER GEAR CASE SERVICE KITS — For 45 and 100 Series Stenner pumps. Kit contains: metal reduction gear, 1 oz. tube AquaShield grease, phenolic gear with spacer, motor shaft with gear, 4 x cover screw B, and 2 x gear posts.

- 11-GSK45A** Adjustable 45/100 Series
- 11-GSK45F** Fixed Output 45 Series

Chemical Feed Pump Parts & Accessories



11-015

LMI WALL MOUNTING BRACKET — ABS wall mounting bracket with hardware safely secures pump in place.

11-015 A, B, C Series Bracket



LMI MAINTENANCE KITS — Prepackaged rebuild kits for LMI chemical feed pump liquid ends. **RPM Kits include:** diaphragm, shaft seal, 4 screws, 3 clamp rings, 3 cartridge valve assemblies, and injection valve rebuild kit with spring. **Specify pump model number when ordering.**

RPM MAINTENANCE KITS

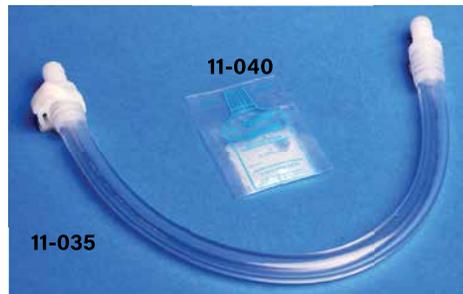
Item	LMI Part #	Liquid End #
11-017	RPM 392/398	392, 398
11-018	RPM 362/368	362, 368
11-019	RPM 312/318	312, 318
11-021	RPM 822	822
11-022	RPM 832	832
11-026	RPM 102	SD 43
11-027	RPM 135	SD 72, SD 73



CHEMICAL FEED PUMP PARTS AND ACCESSORIES

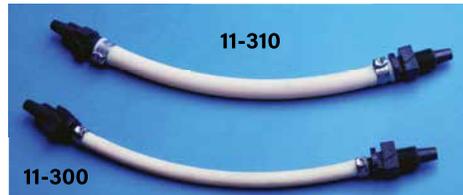
PULSATRON KOP KITS — Pre-packaged liquid end maintenance kits provides convenient, economically priced package of parts required for routine maintenance. Kits include new valve cartridge, with "O" ring seal, head screws, and washers. **Specify pump model number when ordering.**

- 11-205 Kit #K3VTC1, for 12 GPD Pump
- 11-210 Kit #K4VTC1, 24/44/48 GPD Pump
- 11-215 Kit #K6VTC3, for 120 GPD Pump
- 11-220 Kit #K7VTC3, for 190 GPD Pump



ROLA-CHEM REPLACEMENT FEED TUBE 11-035

ROLA-CHEM SILICONE GEL LUBRICANT 11-040



BLUE-WHITE FEED TUBES — Replace-ment chemical feed tubes for A-100N pumps and FlexPro pumps.

Item	Pump Model #	Tube Diameter	Vendor Tube Part #
11-300	A-100N	1/4"	A1-4T
11-305	A-100N	3/8"	A1-6T
11-310	A-100N	7/16"	A1-7T
11-320	FlexPro	3/4"	A3-SND-T
11-325	FlexPro	1/4"	A3-SNH-T
11-330	FlexPro	39/125"	A3-SNJ-T
11-335	FlexPro	19/50"	A3-SNK-T



STENNER FEED TUBE ASSEMBLIES Replacement feed tubes with 3/8" ends are interchangeable with all Stenner Feed Pumps. Tube #1 to #5 are selected based on desired pump output requirements. Available in packages of 2 tubes or 5 tubes.

Tube Assembly	Package of 2	Package of 5
#1	11-140	11-145
#2	11-150	11-155
#3	11-160	11-165
#4	11-170	11-175
#5	11-180	11-185



11-UCBINJ



11-UCINJ38

STENNER INJECTION CHECK VALVE ASSEMBLIES — For use with Stenner chemical feed pumps.

- 11-UCBINJ 1/4" Check Valve
- 11-UCINJ38 3/8" Check Valve
- 11-UCAK100 Connect Nut, 1/4", pkg. of 10
- 11-MANUT00 Connecting Nut, 3/8", each
- 11-MCADPTR Lead Tube Adapter w/nut 3/8", pkg. of 5
- 11-UCAK200 Ferrule, 1/4", pkg. of 10
- 11-MCCVDB0 Duckbill, pkg. of 5
- 11-UCCVDB0 Duckbill, pkg. of 2



11-195



11-AK600

IN-LINE FLOW INDICATORS — In-line solution flow indicators installed on chemical feed pump suction tubing. Float rises as solution is drawn by the chemical feed pump.

Blue White	Tubing Size	Stenner
11-190	3/8"	11-AK700
11-195	1/4"	11-AK600



REPLACEMENT TUBING POLYETHYLENE TUBING - 100' ROLL

O.D. Size	I.D. Size	Wall Thickness	Natural	Black-UV Protected
1/4"	.170"	.040"	11-055	11-051
3/8"	.250"	.062"	11-060	11-053
1/2"	.375"	.062"	11-065	11-052
5/8"	.500"	.062"	11-068	11-054
3/4"	.600"	.075"	11-070	.

TYGON TUBING - 50' ROLL

O.D. Size	I.D. Size	Wall Thickness	Clear
1/4"	1/8"	1/16"	11-240
3/8"	1/4"	1/16"	11-225
9/16"	3/8"	3/32"	11-230
3/4"	1/2"	1/8"	11-235



11-073

TUBING ACCESSORIES

SMALL TUBING CUTTER — Spring loaded tubing cutter cuts plastic tubing and hose up to 1/2" O.D. Replaceable hardened steel blade.

11-073

11-074 Replacement blade



FAST & TITE TUBE FITTINGS — Installs in seconds without tools. Provides tight, leak-proof seal on polyethelene tubing. Black polypropylene. Additional sizes available.

Male Connector	Tube Dia. (O.D.)	MPT
92-P6MC4	3/8"	1/4"
92-P6MC6	3/8"	3/8"
92-P6MC8	3/8"	1/2"
92-P8MC6	1/2"	3/8"
92-P8MC8	1/2"	1/2"
Male Elbow	Tube Dia. (O.D.)	MPT
92-P6ME6	3/8"	3/8"
Female Connector	Tube Dia. (O.D.)	MPT
92-P6FC4	3/8"	1/4"
92-P6FC8	3/8"	1/2"
92-P8FC8	1/2"	1/2"

Union Tee	Tube Dia. (O.D.)
92-P6TU6	3/8" x 3/8" x 3/8"
92-P8TU6	1/2" x 1/2" x 3/8"
92-P8TU8	1/2" x 1/2" x 1/2"

FAST & TITE REPLACEMENT PARTS

Replacement Part	3/8"	1/2"
Stainless grab ring	92-6GR	92-8GR
Buna-N "O" ring	92-6OR	92-8OR
Nut & Spacer set	92-P6NS	92-P8NS



11-250

CHEMICAL FUME PREVENTER

PROMINENT ACID FUME SCRUBBER

Cost effective way to prevent corrosion and equipment damage caused by acid fumes. Captures and neutralizes acid fumes allowing acid tanks to be completely sealed. Refillable media turns from white to pink when it's time to be replaced. Non-metallic module includes: media, vent assembly, and 3/4" male NPT tank connection kit. Wall mounting kit ordered separately.

11-250 Acid Fume Scrubber

11-252 Wall Mounting Kit

11-255 Repl. Acid Fume Scrubber Media



11-095



11-090

CHEMICAL HANDLING ACCESSORIES

DRUM HANDLING TRUCKS — Steel hand truck available in two styles with drum holding clamp. 10" x 2 1/2" ball bearing wheels. 1000 lb. capacity. Makes handling heavy liquid drums easier and safer. Heavy duty hand truck has continuous hand bar and rear wheels that act as a pivot for lifting drums onto raised areas.

11-090 Drum truck

11-095 Heavy duty drum truck



11-100

CARBOY DRUM WRENCH

11-100 Drum wrench - 15, 30, 53 gal.

11-105 Drum wrench - 5 gal.



11-115

SOLUTION TANK LABELS — 14" x 10" pressure sensitive label can be mounted on tank or on most walls. OSHA approved sign.

11-110 Danger Chlorine

11-115 Danger Acid

11-120 Danger Caustic

11-121 Blank



11-125

CHEMICAL TRANSFER PUMPS

DRUM TRANSFER PUMPS — Motor driven chemical transfer pump, up to 30 GPM, with polypropylene suction tube. 27" pump is for 30 gal. carboys and 39" pump is for 52 gal. drums. For use with liquid chlorine, muriatic acid or caustic soda. Drum transfer pump motor and pump tubes (27" or 39") ordered separately. 115 volt with 16' cord.

11-124 Drum Transfer Pump

11-125 27" Pump Tube

11-126 39" Pump Tube

PLASTIC FUNNEL — Excellent for transferring chemicals. 5 1/2" diameter, 32 oz. capacity. Color: Red.

11-137



Chemical Storage



12-020

12-060

POLYETHYLENE TANKS

POLYETHYLENE SOLUTION TANKS

High density linear polyethylene cylindrical tank with flat bottom. FDA approved resin. Optional cover and tank fittings purchased separately.

Item	Capacity	Dimensions
12-005	30 gallon	18" x 28½" H
12-010	55 gallon	22½" x 34" H
12-020	150 gallon	31" x 48" H
12-025	200 gallon	36" x 48" H
12-030	275 gallon	42" x 48" H
12-035	360 gallon	48" x 48" H
12-040	500 gallon	52" x 60" H

TANK COVERS

POLYETHYLENE TANK COVERS — Polyethylene cover for solution tanks.

12-045 18" dia.	12-065 36" dia.
12-050 22½" dia.	12-070 42" dia.
12-055 27" dia.	12-075 48" dia.
12-060 31" dia.	12-080 52" dia.



12-222



12-175

12-180

LMI SOLUTION TANKS

LMI SOLUTION TANKS — UV resistant yellow polyethylene tanks. Each tank has capped fill port and suction tube port. 35 gallon tank utilizes flooded suction design with convenient pump mounting location. 50 gallon tank cover has pump and mixer mounting pads.

Item	Capacity	Dimensions
12-175	50 gallon	23" x 42¾" H
12-180	35 gallon flooded suction	20" x 32" H



12-230

DOUBLE WALL BULK TANKS

DOUBLE WALL BULK STORAGE TANKS

Solve dual containment problems with one tank. Double wall seamless polyethylene construction with 8" man way. Outer tank has over 110% capacity of inner tank. Optional tank fittings purchased separately. Available in natural or black - specify.

Capacity	Dimensions	Natural	Black
100 gallon	35" x 39" H	12-215	12-216
150 gallon	34" x 48" H	12-217	12-218
200 gallon	41" x 52" H	12-220	12-221
350 gallon	52" x 56" H	12-222	12-223
500 gallon	59" x 71" H	12-225	12-226
1,000 gallon	74" x 85" H	12-230	12-231



12-214

12-213

LINCOLN DOUBLE CONTAINMENT TANKS

Dual wall tank design with specially molded top for mounting of feed pump, mixer, and liquid level sensor. 8" dia. threaded opening. Available in blue or white - specify.

Item	Tank Capacity	Dimension	Basin Capacity
12-213	35 gallon	25" x 28¾" H	50 gallon
12-214	65 gallon	28" x 39½" H	90 gallon
12-212	120 gallon	33" x 50" H	160 gallon



12-256

SECONDARY CONTAINMENT

SECONDARY CONTAINMENT BASINS

Polyethylene secondary containment basin protects against accidental spills, leaks, and overflows. Basins should be selected to contain 110% of the volume of the primary tank. Available in rectangular and round styles. Color: black or natural.

Item	Capacity	Style	Dimensions (inches)
12-249	385 gal.	Round	64" Dia. x 33"H
12-256	675 gal.	Round	66" Dia. x 46"H
12-262	950 gal.	Round	64" Dia. x 70"H



CHEMICAL CONTAINERS

STENNER SOLUTION TANKS — The polyethylene construction is both lightweight and rugged. The solution tanks have incremental level indicators and are equipped with a child resistant lid. The tank is designed to vertically mount the Stenner pump over the tank's containment basin. The Mixer is designed to fit the Stenner tank or tank system and is utilized when injecting solutions that are difficult to keep in suspension.

Stenner offers the tanks in UV resistant gray or translucent white. Select from 3 sizes: 7.5-gallon, 15-gallon, and 30-gallon. Additional parts are not needed when purchasing a tank for an existing Classic single head adjustable or single head fixed, SVP or M128 pump. If selecting a tank for an existing Econ FP, Econ T or Stennicator, a mounting kit is required, part number EC303. The same mounting kit can be used to attach an Econ pump to a wall. A Stenner single head pump is installed on the tank with the pump head positioned away from or below the pump body.

Size	White	Grey
7.5 Gallon	12-500	12-505
15 Gallon	12-510	12-515
30 Gallon	12-520	12-525



ROLA-CHEM CHEMICAL TANKS

Polyethylene chemical tanks are constructed from UV protected, high-density polyethylene. White translucent color allows visual check of chemical levels. Includes: tank, cover, and cover plug.

- 12-160 5 gallon
- 12-161 15 gallon
- 12-162 30 gallon
- 12-163 55 gallon



PADDOCK ROOM EVACUATOR SYSTEM

The Chemical & Pump Room Evacuator Gen 2 is a one-size-fits-all solution to challenges in these harsh environments. Creates a more efficient airflow pattern while also source-capturing and exhausting harmful chemical fumes. The compact design allows for simple installation in most mechanical rooms, requiring only a source of fresh air, a standard 120V GFCI-protected outlet, and an exhaust wall-penetration/path.

- 12-550 Room Evacuator System
- 12-560 Duct Package
- 12-565 Fabric Duct Extension





12-400

12-390

STORAGE SYSTEMS

SPILLDECK CONTAINMENT PLATFORMS — Polyethylene secondary containment platforms protect against accidental spills and leaks. Available in 1, 2, and 4 drum modules that are easily connected together with bulkhead fittings to create unlimited configurations. Low profile design (5³/₄" high) with rugged, slip-resistant polyethylene grates. Options include: ramp, bulkhead fitting, "T" strip (26" long-use 2 for long sides), sidewall plugs, and bladder systems for extra sump capacity. Load Capacity: 1 drum (1,500 lbs.), 2 drum (3,000 lbs.), and 4 drum (6,000 lbs.)

Item	Capacity	Dimensions (inches) HxWxL	Sump Capacity (gal.)
12-385	1 drum	5 ³ / ₄ x25 ⁷ / ₈ x25 ⁷ / ₈	11
12-390	2 drum	5 ³ / ₄ x25 ⁷ / ₈ x52	22
12-395	4 drum	5 ³ / ₄ x52x52	44
12-400	Ramp	5 ³ / ₄ x24x32	.
12-405	Bulkhead Fitting		
12-410	"T" Strip - 26"		
12-415	Sidewall Plugs		
12-416	Bladder System - 1 drum - 77 gallon		
12-417	Bladder System - 2 drum - 88 gallon		
12-418	Bladder System - 4 drum - 110 gallon		



HARDTOP STORAGE LOCKERS

Safely store drums outdoors with unique "dual closure" containment locker. All polyethylene construction with "roll top" door and dual "swing out" doors. Polyethylene ramp allows for easy loading/unloading of drums. Available in 2 drum (67¹/₄"W x 41¹/₄"D x 74"H) or 4 drum (64¹/₄"W x 62"D x 79"H) styles. Low profile containment pallet with drain holds 66 gallons (2 drum) or 75 gallons (4 drum). Forkliftable and lockable. Loading ramp 46"L x 28"W x 8³/₄"H, ordered separately.

- 12-420 Storage locker 2 drum
- 12-425 Storage locker 4 drum
- 12-430 Loading ramp



SOLUTION TANK MIXERS

HIGH SPEED MIXERS — For mixing slurry solutions. 1725 RPM TEFC motor with bracket mount. Also available in clamp mount, flange mount, and thread mount styles. Provided with neoprene impellers. Epoxy coating for chlorine and muriatic acid extra. Specify chemical being mixed.

- 12-270 1/20 HP - 5/16" x 28" (30, 35, 50 gal.)
- 12-275 1/3 HP - 1/2" x 36" shaft (140-200 gal.)
- 12-280 1/2 HP - 1/2" x 36" shaft (200-300 gal.)
- 12-285 1 HP - 5/8" x 44" shaft (300-500 gal.)

LOW SPEED MIXERS — For DE slurry or light viscosity fluids. Prevents mixer from crushing DE diatoms by mixing at 60 RPM. TEFC motor with bracket mount. Optional clamp mount also available.

- 12-290 1/3 HP - 5/8" x 40" shaft (200-400 gal.)
- 12-295 1/2 HP - 5/8" x 44" shaft (400 + gal.)

See [page 40](#) for solution tank labels and chemical transfer pumps. See [pages 128-131](#) for NFPA signs and safety signs.



12-305

MIXER PARTS

PROPELLERS — Stainless steel propeller, used with clamp mount mixers. 4" diameter.

- 12-300 5/16" hub
- 12-305 1/2" hub
- 12-310 5/8" hub



IMPELLERS — Neoprene coated impellers with brass hub. 304 stainless steel impeller for 5/8" shaft low speed mixer.

- 12-315 1/2" high x 5/16" hub
- 12-320 1 1/4" high x 1/2" hub
- 12-325 1 1/4" high x 5/8" hub
- 12-330 2" high x 1/2" hub
- 12-336 3" high x 14" diameter



12-350

MIXER SHAFT COUPLINGS — For connecting motor to mixer shaft.

- 12-340 1/2" to 1/2"
- 12-345 1/2" to 5/8"
- 12-350 5/8" to 5/8"
- 12-355 5/8" to 3/4"



12-361

LIQUID LEVEL SENSOR

ULTRASONIC LIQUID LEVEL SENSOR

Non-contact liquid level sensor provides continuous tank level measurements with, 4-20 mA analog signal output and four relays, in 1.5" to 4.9' and 4" to 9.8' measurement ranges. The sensor is configured using WebCal software and is a free download from website. Fob USB programming adapter, 2" NPT bulkhead fitting, and 2" NPT side mount bracket, ordered separately. 14-28 VDC voltage.

- 12-361 Ultrasonic level transmitter, up to 4.9'
- 12-362 Ultrasonic level transmitter, up to 9.8'
- 12-363 Ultrasonic USB fob
- 12-366 2" NPT bulkhead fitting, PVC
- 12-367 2" NPT Side mount bracket



13-830



13-878

VARIABLE FREQUENCY DRIVES

PENTAIR ACU DRIVE XS VFD — By Danfoss. The ACU Drive XS Variable Frequency Drives (VFD) combine the benefits of a frequency converter with the power of a high efficiency motor. The ACU Drive XS frequency converter controls pump speed, torque, and the overall performance of your AC pump motor, by controlling the power input. Significant power savings are achieved by the adjustment of the power supplied to your pump motor, based on your system's needs and demands.

System includes both Variable and Constant torque operation. Thermal protection for the drive and motor is built into the ACU Drive XS software, to guard against motor overheating, and requires no additional sensors or wiring. Unique Automatic Energy Optimizer (AEO) function makes it possible to save an additional 5-10% on your energy bill. These functions optimize the current supplied to your motor according to your specific load.

Easy-to-use design with digital interface provides full control of the motor. "HARD START" enables start and control of motor speed, "OFF" turns off the motor, and "AUTO START" shifts control to digital inputs and/or serial communication. All HP sizes use same keypad. Keypad can be remotely mounted with easy-to-read display.

Options include: Fused By-Pass Assembly, Digital Flow Meter, Battery Back-up, Conformal Circuit Board Coating, and Enclosures (NEMA 1, NEMA 12, NEMA 3R/4X or IP66). Single phase VFD's also available - inquire. Includes: factory start-up and on-site Warranty.

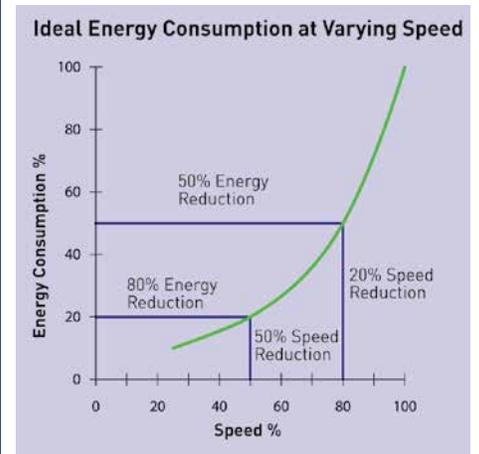
Horsepower	Amps	Frame	With Fused Disconnect		With Fused By-Pass	
			Enclosure		Enclosure	
			NEMA 12	NEMA 4X	NEMA 1	NEMA 12
Three Phase Drives — 200 - 240 Volt with Fused Disconnect						
5	16.7	A5	13-820	13-821	13-822	13-823
7 1/2	24.2	B1	13-825	13-826	13-827	13-828
10	30.8	B1	13-830	13-831	13-832	13-833
15	46.2	B1	13-835	13-836	13-837	13-838
20	59.4	B2	13-840	13-841	13-842	13-843
25	74.8	C1	13-845	13-846	13-847	13-848
30	88.0	C1	13-850	13-851	13-852	13-853
Three Phase Drives — 380 - 480 Volt with Fused Disconnect						
5	8.2	A5	13-855	13-856	13-857	13-858
7 1/2	11.0	A5	13-860	13-861	13-862	13-863
10	14.5	A5	13-865	13-866	13-867	13-868
15	21.0	B1	13-870	13-871	13-872	13-873
20	27.0	B1	13-875	13-876	13-877	13-878
25	34.0	B1	13-880	13-881	13-882	13-883
30	40.0	B1	13-885	13-886	13-887	13-888
Three Phase Drives — 500 - 600 Volt with Fused Disconnect						
5	6.1	A5	13-890	13-891	13-892	13-893
7 1/2	9.0	A5	13-895	13-896	13-897	13-898
10	11.0	A5	13-900	13-901	13-902	13-903
15	18.0	B1	13-905	13-906	13-907	13-908
20	22.0	B1	13-910	13-911	13-912	13-913
25	27.0	B1	13-915	13-916	13-917	13-918
30	34.0	B1	13-920	13-921	13-922	13-923



FLOW METERS

ACU DRIVE SENSOR KITS — Flow meter. Additional kits are available for larger pipes.

- 19-310 3" Flow sensor kit
- 19-320 4" Flow sensor kit
- 19-325 6" Flow sensor kit
- 19-330 8" Flow sensor kit



ACU-DRIVE VFD OPTIONS

Extended Warranty	0 - 10 HP	15 - 40 HP
3 Year	13-950	13-951
5 Year	13-955	13-956

Galvanized Backplates	15 - 40 HP
A5	13-960
B1	13-965
B2	13-970
C1	13-975

Your Lincoln Representative can recommend the correct VFD for your application.

Commercial Pumps



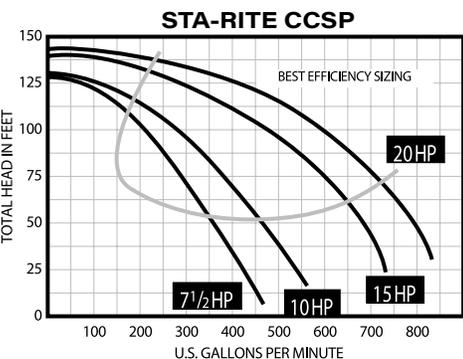
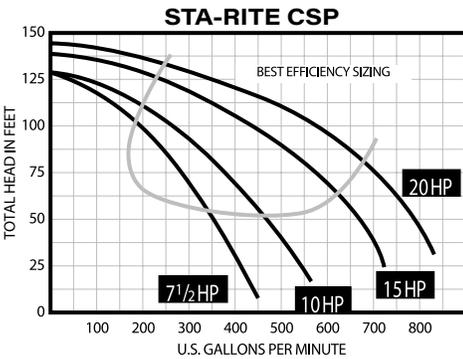
13-005

SELF-PRIMING PUMPS

STA-RITE CSP/CCSP SERIES PUMPS

Commercial self-priming pump. Cast iron with bronze impeller. 6" suction x 4" discharge flanged connections. 3450 RPM, 208-230/460 volt, 3 phase. Oversized hair and lint strainer with "O ring" seal and electro-polished stainless steel basket. Strainer ordered separately. Pumps and strainers available without corrosion resistant epoxy coatings (CSP) or with epoxy coatings on all wetted surfaces (CCSP). Also available with single phase/230 volt motors on 7½ HP and 10 HP models. 3 phase/200 volt motors also available. **NSF Listed.**

Size	Phase	CSP Cast Iron	CCSP Epoxy Coated
7½ HP	3	13-005	13-006
10 HP	3	13-010	13-011
15 HP	3	13-015	13-016
20 HP	3	13-020	13-021
Hair & Lint Strainer Assembly		13-025	13-026
13-027	Replacement Stainless Basket		
13-024	Replacement Strainer "o"-ring		



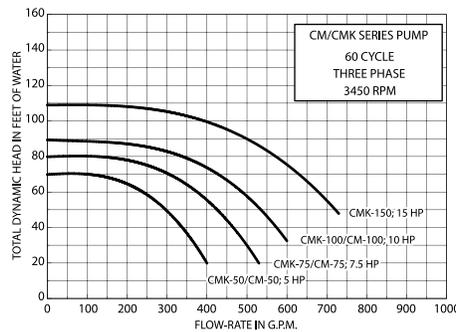
13-035

PENTAIR CMK/CHK SERIES PUMPS

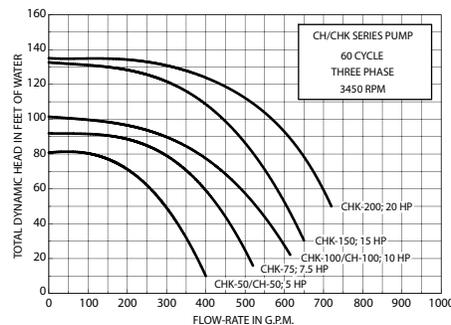
Commercial self-priming bronze main circulation pump with integral hair and lint strainer with stainless steel basket. 6" suction x 4" discharge, flanged connections. 3450 rpm, 3 phase, 60/50 HZ, and 208 volt or 220/440 volt motors. Available as high head (CHK) or medium head (CMK) models. Also available with single phase motors on 5 HP, 7½ HP, and 10 HP high head (CH) and medium head (CM) models. **NSF Listed.**

Size	Phase	CM/CMK Medium Head	CH/CHK High Head
5 HP	1	13-028	13-029
7½ HP	1	13-033	13-034
10 HP	1	13-037	13-038
5 HP	3	13-030	13-031
7½ HP	3	13-035	13-036
10 HP	3	13-040	13-041
15 HP	3	13-045	13-046
20 HP	3	-	13-050
13-051	Replacement Stainless Basket		
13-052	Replacement Strainer "o"-ring		

PUMP PERFORMANCE CURVE
CM/CMK SERIES PUMP



PUMP PERFORMANCE CURVE
CH/CHK SERIES PUMP

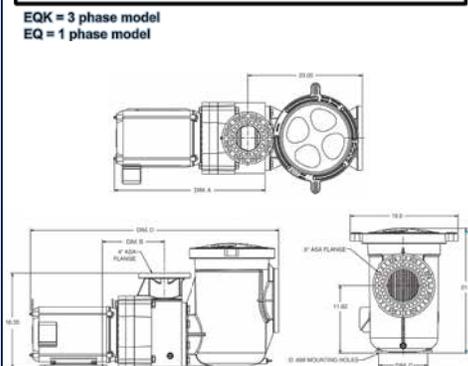
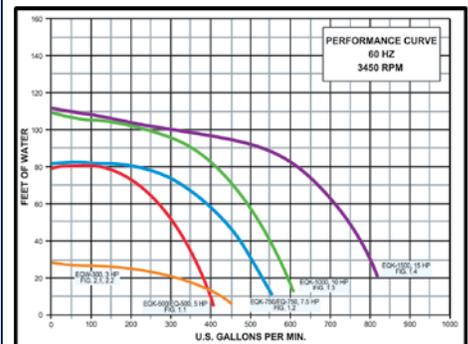


13-271

PENTAIR EQ SERIES PUMPS

Heavy duty commercial pump specifically designed for large pools, fountains, and water features. Self priming pump is the only non-corrosive, all-plastic pump available. Efficient closed impeller design lowers motor load, for longer motor life. Close coupled Noryl pump, with separate hair and lint strainer (included), with clear Lexan lid. Flanged 6" suction x 4" discharge connections. NEMA rated 3450 RPM, TEFC 3 phase, 460/230-208 volt, 60 Hz motors and ODP single phase 230 volt, 60 Hz motors. Order 1 x 4" and 1 x 6" flange kit with gasket and stainless hardware with each pump. **NSF Listed.**

Item	Size	Phase	Weight with Strainer (lbs.)
13-250	5 HP	1	189
13-260	7½ HP	1	235
13-267	10 HP	1	154
13-256	5 HP	3	167
13-266	7½ HP	3	189
13-271	10 HP	3	234
13-276	15 HP	3	235
13-281	Pentair EQ flange kit - 4"		
13-282	Pentair EQ flange kit - 6"		
13-285	Repl. Hair & Lint Strainer Basket		
13-290	Repl. Strainer "o"-ring		





13-430

PENTAIREQSERIESWATERFALLPUMPS

Heavy duty, commercial waterfall pump, for low head and high flow requirements for water features. Self-priming pump uses non-corrosive plastic parts for durability and long life. Close coupled design. Available with or without hair and lint strainer, with clear Lexan lid. Flanged 6" suction x 4" discharge connections. NEMA rated 3450 RPM, TEFC 3 phase motors and ODP single phase motors. Order 1 x 4" and 1 x 6" flange kit with gasket and stainless hardware with each pump with strainer or 1 x 6" kit for pumps without strainer. **NSF Listed.**

Size	Voltage	Phase	With Strainer	Without Strainer
3 HP	115/230	1	13-400	13-420
3 HP	208-230/460	3	13-405	13-425
5 HP	230	1	13-410	13-430
5 HP	208-230/460	3	13-415	13-435
13-281	Pentair EQ flange kit, 4"			
13-282	Pentair EQ flange kit, 6"			
13-283	Pentair EQ flange kit, 6", w/o strainer			



13-647

HAYWARD HCP 3000 SERIES PUMPS

HCP 3000 Series pumps are unmatched in performance and versatility. Offers a variety of power and electrical options, which enable you to provide the right solution for a range of applications. 7HP model achieves more than 250 gpm at 60 ft. of head. Totally Enclosed Fan Cooled motors (TEFC). 2.7 HP is variable speed. All other pumps are single speed motors. Chemical-resistant Viton® seal for long-term durability. Oversized strainer basket reduces maintenance. Remote mountable strainer housing for increased versatility and adaptability. 3" union connections as standard, for simple drop-in replacement or retrofit of a variety of applications. Available in Single or 3-Phase from 208-230/460Volt at 50/60Hz. 1 year limited warranty. **NSF Listed.**

Item	Size	Phase	Weight with Strainer (lbs.)
13-643	2.7 HP	1	64.0
13-647	5 HP	1	102.0
13-648	3 HP	3	96.0
13-649	5 HP	3	102.0
13-650	7 HP	3	107.0



13-651

HAYWARD HCP 4000 SERIES PUMPS

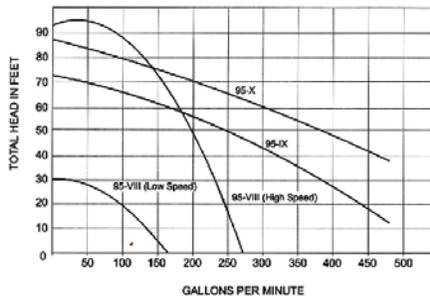
Commercial HCP self-priming pumps provide a technologically advanced alternative to traditional bronze or cast iron pumps. Their lightweight, Noryl™ thermoplastic housings make one-man installation easy. The all-plastic housing construction and modern TEFC motor design afford a high level of protection and reliability in the commercial pump room environment. A transparent cover lid with tool-free opening mechanism allows visual inspection of the strainer basket, simplifying maintenance. Four pumps in the Hayward Commercial Series, ranging from 5.5 to 12.5 HP, allow right-sizing for most high-flow, medium head applications. Suitable for commercial swimming pools, spas and water features. Lightweight, glass-reinforced Noryl™ body, impeller, and connections for maximum strength-to-weight ratio. **NSF Listed.**

Item	Size	Phase	Weight with Strainer (lbs.)
13-651	5 1/2 HP	3	110.0
13-652	7 1/2 HP	3	125.0
13-653	10 HP	3	142.5
13-654	12 1/2 HP	3	155.0

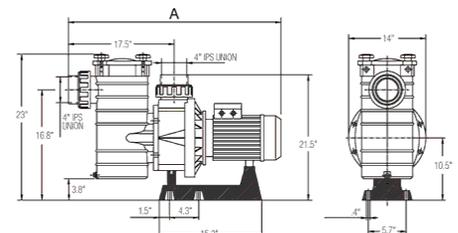
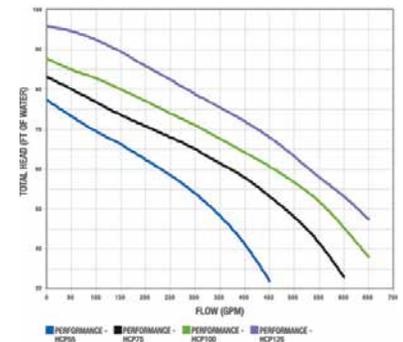


13-655

SPECK MODEL 95 PUMP – The largest one-piece plastic casing design with integrated strainer basket, easy on/off two-piece lid, and 4" quick disconnect unions. These features combined with our unique impeller and heavy-duty mechanical seal result in a medium head pump with the "highest flow" of any one-piece plastic pump on the market today. This pump is ideally suited for high rate sand filter applications as well as water features. The Model 95 is available with a 4 Hp and 5 HP, 230-volt, single phase TEFC motor or 4, 5, 7.5, and 10 HP, 208-230/460-volt three phase TEFC motors. **Tested to NSF 50 Standard.**



Item	Size	Phase	Voltage
13-626	4 HP	1	208-230v Pump
13-627	4 HP	3	208-230/460v Pump
13-655	5 HP	1	208-230v Pump
13-660	5 HP	3	208-230/460v Pump
13-662	7.5 HP	1	208-230v Pump
13-665	7.5 HP	3	208-230/460v Pump
13-667	10 HP	3	208-230/460v Pump



Commercial Pumps

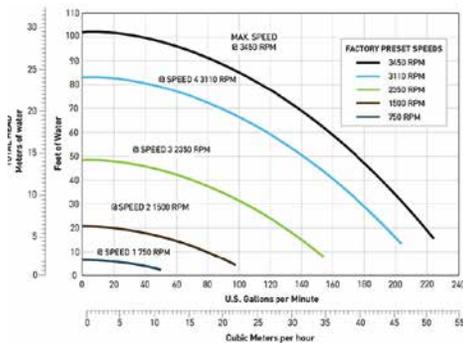


PENTAIR INTELLIFLO XF VARIABLE SPEED PUMP – The IntelliFlo XF Variable Speed Pump saves more energy than ever before. This remarkable pump was originally designed to combine the best of our IntelliFlo Variable Speed Pump technology with a smoother, ultra-efficient hydraulic design. The IntelliFlo XF pump has a rotatable keypad for easy operation and viewing. It has eight programmable speed settings with multiple scheduling options to maximize efficiency. Innovative hydraulic isolator creates faster priming and turbulence free flow for increased efficiency. Exceptionally efficient, permanent magnet motor, with ultra-quiet TEFC motor and low speed operation to reduce noise. 230 volt. **NSF Listed.**

13-119 IntelliFlo XF pump, 3 HP

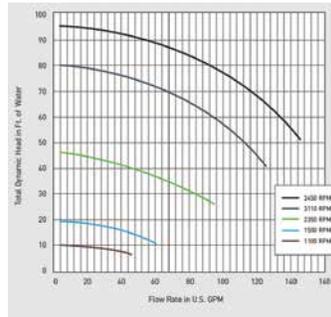


13-119



13-118

INTELLIFLO VS + SVRS



PENTAIR INTELLIFLO PUMPS – Available in 2 versions: IntelliFlo VF and IntelliFlo VS+SVRS. These high performance pumps reduce operating costs and are the quietest pumps ever built. **IntelliFlo VF** pump utilizes a variable drive and can reduce pump operating costs up to 90%. Digital controls allow you to program optimum speed per function. TEFC, permanent magnet motor produces less heat and vibration than traditional induction motors. **IntelliFlo VS+SVRS** pump utilizes a variable speed motor that provides energy efficiency, with 8 programmable speeds, ranging from 1150 to 3450 RPM. Additionally, this pump includes an integrated Safety Vacuum Release System (SVRS) that provides entrapment protection. Complies with VGB Pool and Spa Safety Act Requirements. Both pumps have 2" suction x 2" discharge connections. 230 volt. **NSF Listed.**

13-118 IntelliFlo VS+SVRS pump, 3 HP

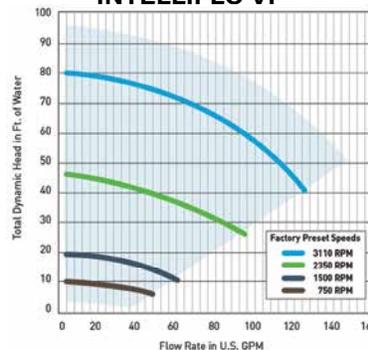
13-115 IntelliFlo VF pump, 3 HP

13-560 Replacement Basket



13-115

INTELLIFLO VF



13-122

PENTAIR INTELLIFLO i1 AND i2 VARIABLE SPEED PUMP – The IntelliFlo i1 and i2 Variable Speed Pumps are hydraulically designed to provide maximum performance on a 15-amp breaker. The i1 has a maximum amp rating of 7 amps and the i2 has a maximum amp rating of 11.8 amps. These pumps have a rotatable keypad for easy operation and viewing, with eight programmable speed settings and a built-in timer. Built-in diagnostics protect the pump for longer service life. Totally enclosed, fan-cooled (TEFC) motor, for quiet operation. 230 volt. **NSF Listed.**

13-122 IntelliFlo i1 pump, 1 HP

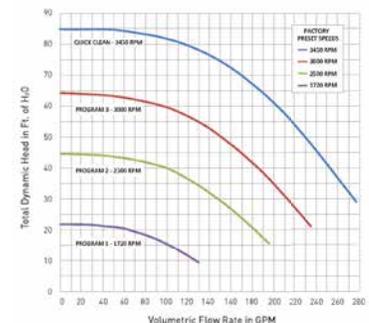
13-123 IntelliFlo i2 pump, 2 HP



13-596

PENTAIR WHISPERFLO XF VARIABLE SPEED PUMP – The WhisperFlo XF VS Pump is the first five-horsepower variable speed pump that runs on single phase and three phase power. It's an economical, combined motor/drive solution for both hotel, motel, apartment, and condominium (HMCA) installations. Integrated 5 HP motor/drive, with no external drive required. The pump has speed or flow control for maximum efficiency. The pump has four programmable settings, that can be set to any speed ranging from 330 to 3450 RPM. Versatile power input capability, runs off a wide range of single or three phase power. Exceptionally efficient, permanent magnet motor, with ultra-quiet TEFC motor. 230 volt. **NSF Listed.**

13-596 WhisperFlo XF VS pump, 5 HP





13-580

PENTAIR WHISPERFLO XF PUMPS

Whisper quiet, self priming pumps with high efficiency performance are ideal for commercial applications. Large capacity hair and lint strainer with see through lid. 2.5"/3" union connections. Available in 208-230 volt/single phase or 208-230/460 volt/three phase with TEFC motors. **NSF Listed.**

Item	HP	Voltage	Phase	GPM@ 60' TDH
13-570	2	208-230/460 V	3	110 GPM
13-580	3	208-230/460 V	3	152 GPM
13-585	5	208-230 V	1	220 GPM
13-590		208-230/460 V	3	



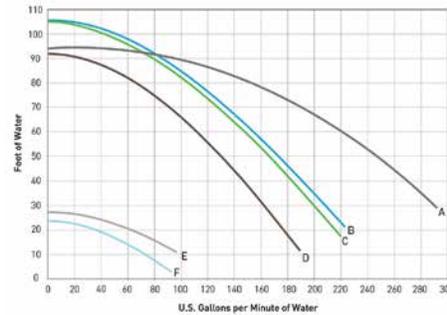
13-520

PENTAIR WHISPERFLO PUMPS —

High efficiency, self priming, single speed pool pumps, with large strainer basket and see-thru lid. High efficiency impeller create maximum water flow, while minimizing turbulence and noise. Energy efficient, single speed motors, with commercial grade frame. 2" suction/discharge ports. Available with TEFC three phase motors. **NSF Listed.**

Item	HP	Voltage	Phase	GPM@ 60' TDH
13-540	1	208-230/460 V	3	76 GPM
13-545	1 1/2	208-230/460 V	3	100 GPM
13-550	2	208-230/460 V	3	112 GPM
13-555	3	208-230/460 V	3	142 GPM
13-560	Replacement PVC Basket			

PENTAIR WHISPERFLOX CURVES

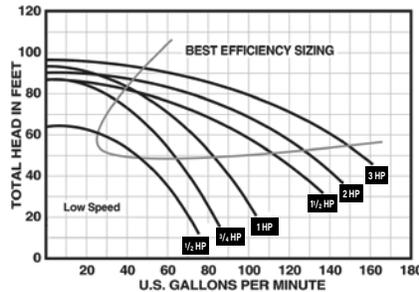


13-074

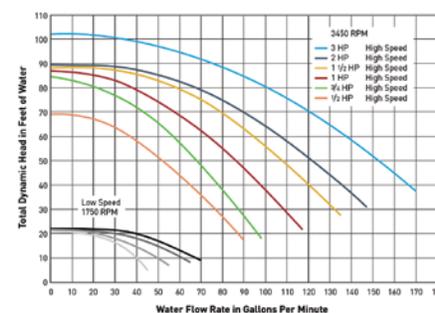
STA-RITE MAX-E-PRO PUMPS — High efficiency, self-priming, single speed pool pumps. 2" suction/discharge ports incorporate external and internal threads. Large see-thru lid with Quick-Lock cover allows easy inspection and cleaning. Three phase motors are TEFC. 230 volt motors also available. **NSF Listed.**

Item	HP	Voltage	Phase	GPM@ 60' TDH
13-081	1 1/2	208-230/460 V	3	95 GPM
13-082	2	208-230/460 V	3	115 GPM
13-083	3	208-230/460 V	3	140 GPM
13-096	Replacement PVC Basket			

STA-RITE MAX-E-PRO CURVES



PENTAIR WHISPERFLO CURVES



13-200

SPECK COMMERCIAL POOL PUMPS

Normblock Horizontal Multi Series horizontal flooded suction pumps and the BADU-Block Vertical Multi Series flooded suction pumps are constructed from non-corrosive and lightweight THK plastic. Available in 7.5, 10, 15, 20, 25, and 30 HP models with 1750 RPM TEFC motors and flanged connections in 4", 5", 6", and 8", depending on pump flow and connection requirements. Optional plastic hair and lint strainer for Horizontal pumps ordered separately.

- 13-200 Horizontal Pump
- 13-201 6" Hair & Lint Strainer, w/ basket
- 13-202 8" Hair & Lint Strainer, w/ basket
- 13-203 BADU- Block Vertical Pump w/ Vertical Hair & Lint Strainer



13-201



13-202



13-203

Commercial Pumps



13-176

FLOODED SUCTION PUMPS

AURORA 3800 SERIES PUMPS — End suction, centrifugal pumps with flow rates up to 4,200 GPM. Available in 2 styles: Close Coupled (#3801) and Flexible Coupled- Frame Mounted (#3804). Includes 316 stainless steel impeller and 316 stainless steel shaft seal. Also available with optional epoxy coating and 316 stainless steel shaft. Additional options available- inquire. Open Drip Proof (ODP) or Totally Enclosed Fan Cooled (TEFC) motors in both 1750 RPM and 3550 RPM models. **NSF approved models available.**

13-176 Horizontal Close Coupled Pump

13-177 Horizontal Flexible Coupled-Frame Mounted Pump



13-176



13-120

PACO MAIN CIRCULATION PUMPS

End suction centrifugal pumps custom designed to meet your pool's exact flow and head characteristics. Available in cast iron or all bronze and single phase or three phase. Capacities up to 4100 GPM, heads to 800'. Sizes 1" to 10" (discharge) and 1/3 to 125 HP. **NSF approved models available.**

13-120



HERBORNER X-N SERIES PUMPS

Vertical circulation pump with the unique 100% HPC coating and integrated strainer eliminates the need for a basket strainer and reduces the footprint for the pump and simplifies piping runs. The HPC coating provides an extremely smooth surface and protects the pump surfaces from corrosion. Hydraulic efficiency is boosted by up to 10% depending on the operating point of the pump, due to low friction from the HPC coating, improving the energy savings. The vertical position of the motor is protected from potential mechanical room flooding versus horizontal setups. Available in 1 HP- 100 HP sizes with 208-230 V/460 V, 3 phase, 1800 RPM, TEFC motors. **NSF 50 Listed.**

13-008



HERBORNER F-N SERIES PUMPS

Close coupled, end suction pumps with the unique 100% HPC coating. The HPC coating provides an extremely smooth surface and protects the pump surfaces from corrosion. Hydraulic efficiency is boosted by up to 10%, depending on the operating point of the pump, due to low friction from the HPC coating, improving energy savings. Available in 1 HP- 100 HP sizes with 208-230 V/460 V, 3 phase, 1800 RPM, TEFC motors. **NSF 50 Listed.**

13-009



COMMERCIAL REPLACEMENT MOTORS

HP	Phase	Whisperflo XF	Whisperflo & XF	Max-E-Pro XF	Challenger & Max-E-Pro	C-Series	EQ Series
2 HP	3	▪	13-303	▪	13-309	▪	▪
3 HP	1	13-301	▪	13-307	▪	▪	▪
3 HP	3	▪	13-304	▪	13-311	▪	▪
5 HP	1	13-302	▪	13-308	▪	▪	▪
5 HP	3	▪	13-306	▪	13-312	13-313	13-318
7.5 HP	3	▪	▪	▪	▪	13-314	13-319
10 HP	3	▪	▪	▪	▪	13-316	13-321
15 HP	3	▪	▪	▪	▪	13-317	13-322



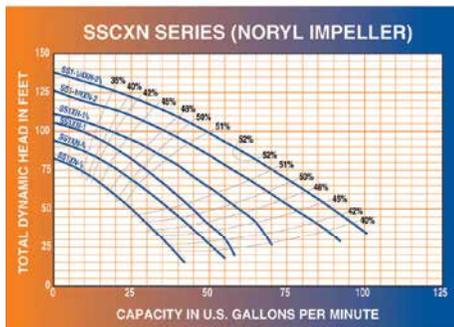
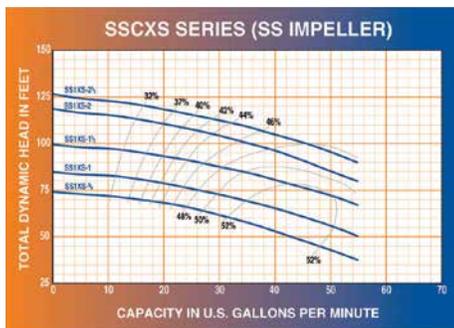
13-605

BOOSTER PUMPS

BERKELEY SSCX BOOSTER PUMPS

High head performance centrifugal booster pumps with corrosion resistant 304 stainless steel housing shaft and propeller. ODP motors provided. TEFC motors and units with Noryl impellers also available for additional cost - inquire. Available with 115/130 volt single phase or 208-230/460 volt three phase motors.

Size	Single Phase	Three Phase
¾ HP	13-600	13-625
1 HP	13-605	13-630
1½ HP	13-610	13-635
2 HP	13-615	13-640
2½ HP	13-620	13-645



13-162

PENTAIR BOOSTER PUMP — High pressure booster pump is made from durable, corrosion-proof thermoplastic. 115/230 volt, 1 phase motor.

13-162 ¾ HP



13-166

SPECIALTY PUMPS

STA-RITE "EDPH" PORTABLE PUMP

Cast iron self-priming pump with 4 cycle gasoline engine. Includes: 6" hair and lint strainer and portable skid base. 2" suction x 2" discharge. Will produce up to 150 GPM. Order portable pump and hair and lint strainer separately.

13-166 Portable Pool Pump, 3 HP, Gas

13-066 6" Hair and Lint Strainer, Cast Iron

13-065 6" Replacement Basket



13-167

PENTAIR STAINLESS SUBMERSIBLE PUMP

— Utility drainer pumps water down to 13/8" in depth. Stainless steel casing, suction strainer, clog-resistant impeller and shaft, for corrosion resistance. External float switch included. 15 ft. power cord. 115 volt/60 Hz.

13-167 ½ HP



14-025

AIR BLOWERS

COMMERCIAL AIR BLOWERS — Heavy duty regenerative air blower. Die-cast aluminum housing, impeller, and cover. TEFC motor with permanently sealed ball bearings. Inlet and outlet internal muffling for quiet operation. Installation requires 12-15' of copper plumbing on discharge side. Available in 115/230 volt. 1 phase and 230/460 volt, 3 phase motors.

Blower Size	Single Phase	Three Phase
1 HP	14-005	14-010
1½ HP	14-015	14-020
2 HP	14-025	14-030
3 HP	14-035	14-040



98-110

ENERGY CONTROLLERS

TEK™ ENERGY SMART CONTROLLERS

Commercial pool monitoring and control system gives you unprecedented remote control and access to pool information and conditions at your facility. Allows control and scheduling of swimming pool systems with multiple pumps, heaters, solar arrays, and variable frequency drives (VFD) to maximize energy efficiency. Monitor and control pool parameters on any internet enabled device, including smart phones and tablets. Supports 24/7 e-mail alerts for system conditions based on user definable set points. Standard internal 24V power supply simplifies expanded pool instrumentation.

Expanded Energy Smart™ Controller - Features front panel touch screen interface and expanded inputs and outputs. Enables onsite and internet based remote control and automation of complex commercial pool systems. Provides detailed monitoring, control and reporting of energy use/production and pool water conditions/chemistry. Customizable to facilitate local utility mandated load shedding. Monitors up to 8 separate devices and provides up to 8 output relays. Can be optionally configured for Modbus and other industrial control strategies.

Flow sensors, installation fittings, and other required pool components ordered separately. Requires hard wired internet connection or can be optionally configured for wifi or with internal internet cell modem. Includes first 6 months of internet hosting and cloud based data logging.

98-110 Energy Smart Controller - Expanded

Hair & Lint Strainers



14-053

STAINLESS STEEL HAIR AND LINT STRAINERS

STAINLESS STEEL BASKET STRAINERS

Constructed of T304 stainless steel with T304 stainless Van Stone flange connections. Clear acrylic cover with easy open tee handles and stainless basket with "baffle." Lightweight design allows for installation in difficult applications. Designed for pump suction applications. 50 psi maximum working pressure. Available in straight line size styles and eccentric reducing styles. Inquire for additional sizes available.

STAINLESS STRAIGHT STRAINERS

Item	Size	Item	Size
14-043	3"	14-055	8"
14-045	4"	14-060	10"
14-053	5"	14-065	12"
14-050	6"	14-068	14"



14-535

STAINLESS REDUCING STRAINERS

Item	Size	Item	Size
14-530	4" x 3"	14-545	8" x 6"
14-542	6" x 5"	14-544	8" x 5"
14-540	6" x 4"	14-555	10" x 8"
14-535	6" x 3"	14-550	10" x 6"



14-410

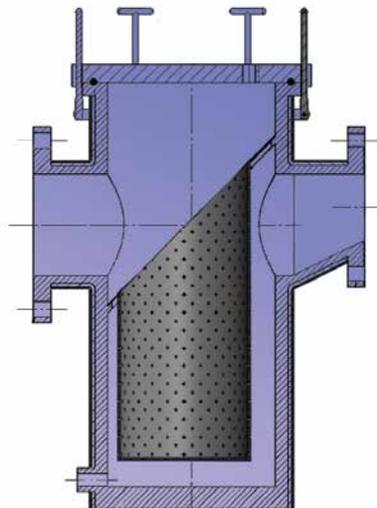
FIBERGLASS HAIR AND LINT STRAINERS

FIBERGLASS REINFORCED BASKET STRAINERS

Composite strainer body is constructed of fiberglass reinforced plastic (FRP) and PVC for maximum resistance to corrosion, pressure, and temperature. Clear acrylic cover with easy open tee handles and stainless steel basket. Rated to 50 psi. Flanges are PVC Van Stone style. Available in straight in-line style or eccentric reducing style. Inquire for additional sizes not listed. Also available in offset and angled offset styles.

FIBERGLASS STRAIGHT STRAINERS

Item	Size	Item	Size
14-395	3"	14-415	8"
14-400	4"	14-420	10"
14-405	5"	14-425	12"
14-410	6"	14-430	14"



14-585

FIBERGLASS REDUCING STRAINERS

Item	Size	Item	Size
14-575	4" x 3"	14-595	8" x 6"
14-580	6" x 5"	14-600	8" x 5"
14-585	6" x 4"	14-605	10" x 8"
14-590	6" x 3"	14-610	10" x 6"



14-715

LARGE PORT FIBERGLASS STRAINERS

Composite strainer body with fiberglass reinforced plastic (FRP) and PVC material. Same features as our Fiberglass Basket Strainers, but includes large outlet design. Includes clear acrylic cover with easy open tee handles. Available in straight in-line style and eccentric reducing style. Inquire for additional sizes and styles not listed. Rated to 50 psi.

LARGE PORT STRAINERS

Item	Size	Item	Size
14-700	3"	14-720	8"
14-705	4"	14-725	10"
14-710	5"	14-730	12"
14-715	6"	14-735	14"

LARGE PORT REDUCING STRAINERS

Item	Size	Item	Size
14-750	4" x 3"	14-770	8" x 6"
14-755	6" x 5"	14-775	8" x 5"
14-760	6" x 4"	14-780	10" x 8"
14-765	6" x 3"	14-785	10" x 6"



14-135
14-205

CAST IRON HAIR AND LINT STRAINERS
MUELLER CAST IRON BASKET STRAINER — Iron body simplex basket strainer with flanged ends and clamp-type cover. Includes: lid gasket and stainless steel basket. Available with standard iron finish or 8-10 mil Pota-pox epoxy lining, suitable for potable water. NSF 71 Listed.

Size	Standard Iron Finish	Epoxy-Lined
2"	14-120	14-155
3"	14-125	14-160
4"	14-130	14-165
6"	14-135	14-170
8"	14-140	14-175
10"	14-145	14-180
12"	14-150	14-185

MUELLER STAINLESS STEEL BASKETS — Replacement baskets for Mueller #155 M strainers.

Item	Size	Item	Size
14-190	2"	14-210	8"
14-195	3"	14-215	10"
14-200	4"	14-220	12"
14-205	6"	.	.

MUELLER STRAINER LID GASKETS
 Replacement gaskets for Mueller #155 M strainers.

Item	Size	Item	Size
14-191	2"	14-211	8"
14-196	3"	14-216	10"
14-201	4"	14-221	12"
14-206	6"	.	.



14-450
14-452

14-451
14-490



14-450

HAIR AND LINT STRAINER REPLACEMENT PARTS

FLUIDTROL STAINLESS STEEL BASKETS — Replacement stainless steel basket for Fluidtrol hair and lint strainers. T316 stainless steel basket with 1/8" perforations. Basket flange is laser cut from 12-gauge stainless steel. Cross bar is installed for easy basket removal for cleaning. Our replacement baskets are built to last.

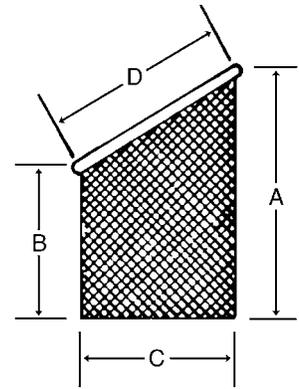
Size	Stainless Basket	Basket Area Square Inches
3"	14-435	100.5
4"	14-440	192.1
6"	14-450	320.9
8"	14-455	505.2
10"	14-460	718.3
12"	14-465	1,010.3
14"	14-470	1,566.1

FLUIDTROL STRAINER PARTS

Strainer Size	Lid Gasket	Acrylic Cover
3"	14-436	14-437
4"	14-441	14-442
5"	14-446	14-447
6"	14-451	14-452
8"	14-456	14-457
10"	14-461	14-462
12"	14-466	14-467
14"	14-471	14-472
14-490	Replacement Strainer Lid "T" Handle	

PENTAIR PS STRAINER PARTS

Strainer Size	Stainless Basket	Lid "O" Ring	Acrylic Cover
6"	14-860	14-865	14-870
8"	14-860	14-865	14-870
14-880	Replacement Strainer Lid Knob		



HAIR AND LINT STRAINER REPLACEMENT BASKETS

When ordering give manufacturer and all dimensions as follows:

- A.** Height of tall side — under the lip.
- B.** Height of short side — under the lip.
- C.** Outside diameter of basket.
- D.** Width of basket including lip.



REPLACEMENT BASKETS

- 14-295 PVC baskets
- 14-300 Neoprene coated baskets
- 14-305 Custom stainless steel baskets



14-285

LINE STRAINERS

LINE STRAINERS — Thermo-plastic construction with transparent strainer for easy inspection. Strainer screens are removable for inspection and cleaning. Includes 20 mesh PVC strainer screen. Strainer is rated to 150 psi.

Size	Strainer	Replacement Screen
1/2"	14-265	14-290
3/4"	14-270	14-291
1"	14-275	14-292
1 1/2"	14-280	14-293
2"	14-285	14-294

Commercial Filter Systems



FIBERGLASS HIGH RATE SAND FILTERS

STARK HORIZONTAL HIGH RATE SAND FILTERS — Filament wound fiberglass filters are designed for simple, fast installations. Filter tanks are designed for maximum operating pressure of 75 psi with a maximum burst safety factor of 4 to 1. Gel coat fiberglass tank lining is filament wound with continuous fiberglass strand. Lighter weight than most comparably sized carbon steel filters. Horizontal design allows tanks to fit thru most doorways. Multi-spray head diverters and full width laterals result in long filtration cycles and maximum backwashing effectiveness. Vessel finished with Paracote UV resistant coating, for added protection. Available in a 36" diameter and 42" diameter single and multiple tank configurations. Stacking and custom designed systems also available. Completely non-corrosive filters withstand the effects of pool water chemistry, electrolysis and corrosion. **15 Year Limited Warranty. NSF Listed.**

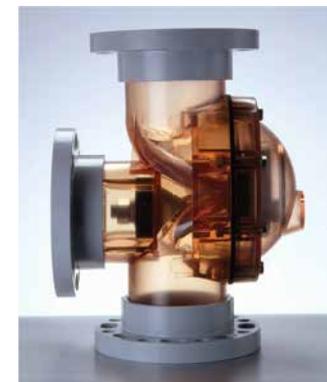
STARK S STYLE SYSTEMS — Includes front mounted manhole with viewport, pre-glued Schedule 80 PVC face piping with grooved connections, backwash valves, manual multiport valve, manual air relief ball valve and media dump port. UL Listed Automatic Backwash Controller (24VAC) is available as an option on both A, B, C Style Systems and on S Style Systems. The S Style Controller Package also includes a flow meter and temperature probe. Para-Pump Booster System, to maintain water pressure to backwash valves, available as an option.

STARK S STYLE SYSTEMS — 36" AND 42" DIAMETER

Model	Tank Size D x L	Tank Connection Size	Filter Area Sq. Ft.	Flow Rate @ 15 GPM per sq. ft.	6 HR. Turnover @ 15 GPM per sq. ft.	Manual	Automatic
RS1-60-04	36" x 60"	4"	13.5	203	72,900	15-035	15-060
RS1-72-04	36" x 72"	4"	17.2	258	92,880	15-040	15-065
SS1-48-04	42" x 48"	4"	13.5	203	72,900	15-045	15-070
SS1-72-06	42" x 72"	6"	20.0	300	108,000	15-050	15-075
SS1-96-06	42" x 96"	6"	27.0	405	145,800	15-055	15-080
RS2-60-06	36" x 60"	4"	27.0	405	145,800	15-405	15-510
RS2-72-06	36" x 72"	4"	34.4	516	185,760	15-425	15-530
SS2-48-06	42" x 48"	4"	25.6	384	138,240	15-445	15-550
SS2-72-06	42" x 72"	6"	40.0	600	216,000	15-465	15-570
SS2-96-06	42" x 96"	6"	54.0	810	291,600	15-485	15-590
RS3-60-06	36" x 60"	4"	40.5	608	218,830	15-410	15-515
RS3-72-06	36" x 72"	4"	51.6	774	278,640	15-430	15-535
SS3-48-06	42" x 48"	4"	38.4	576	207,300	15-450	15-555
SS3-72-08	42" x 72"	6"	60.0	900	324,000	15-470	15-575
SS3-96-08	42" x 96"	6"	81.0	1215	437,400	15-495	15-600
RS4-60-06	36" x 60"	4"	54.0	810	291,600	15-415	15-520
RS4-72-08	36" x 72"	4"	68.8	1032	371,520	15-440	15-545
SS4-48-06	42" x 48"	4"	51.2	768	276,480	15-455	15-560
SS4-72-08	42" x 72"	6"	80.0	1200	433,000	15-475	15-580
SS4-96-10	42" x 96"	6"	108.0	1620	583,200	15-505	15-610
Para-Pump Booster System						15-032	



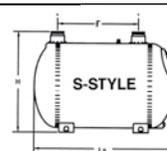
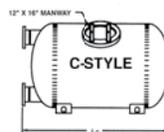
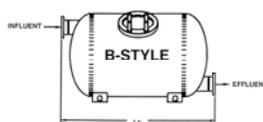
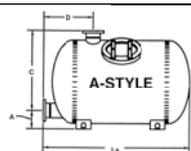
CLEAR MANWAY VIEWPORT



CLEAR 3-WAY VALVE



NOTE: See [page 53](#) for Stark Accessories and Parts.





15-390

STARK A, B, AND C STYLE SYSTEMS — Includes side mounted manhole with viewport, Schedule 80 PVC face piping with flanged connections, water actuated backwash valves, manual multiport valve, influent/effluent pressure gauges, automatic air relief and backwash sight glass. UL Listed Automatic Backwash Controller (24VAC) is available as an option.

STARK A, B, C STYLE SYSTEMS — 42" DIAMETER

Model	Tank Size D x L	Tank Connection Size	Filter Area Sq. Ft.	Flow Rate @ 15 GPM per sq. ft.	6 HR. Turnover @ 15 GPM per sq. ft.	Manual
S1-48	42" x 48"	4"	12.8	192	69,120	15-005
S1-72	42" x 72"	6"	20.0	300	108,000	15-010
S1-96	42" x 96"	6"	27.0	405	145,800	15-015
S1-120	42" x 120"	6"	35.0	525	189,000	15-020
S1-144	42" x 144"	6"	41.0	615	221,400	15-025
S2-48	42" x 48"	4"	25.6	384	138,240	15-330
S2-72	42" x 72"	6"	40.0	600	216,000	15-345
S2-96	42" x 96"	6"	54.0	810	291,600	15-360
S2-120	42" x 120"	6"	70.0	1050	378,000	15-375
S2-144	42" x 144"	6"	82.0	1230	442,800	15-390
S3-48	42" x 48"	4"	38.4	576	207,360	15-335
S3-72	42" x 72"	6"	60.0	900	324,000	15-350
S3-96	42" x 96"	6"	81.0	1215	437,400	15-365
S3-120	42" x 120"	6"	105.0	1575	567,000	15-380
S3-144	42" x 144"	6"	123.0	1845	664,200	15-395
S4-48	42" x 48"	4"	51.2	768	276,480	15-340
S4-72	42" x 72"	6"	80.0	1200	432,000	15-355
S4-96	42" x 96"	6"	108.0	1620	583,200	15-370
S4-120	42" x 120"	6"	140.0	2100	756,000	15-385
S4-144	42" x 144"	6"	164.0	2460	885,600	15-400
Automatic Backwash Controller						15-030
Para-Pump Booster System						15-032



FILAMENT WOUND VESSELS

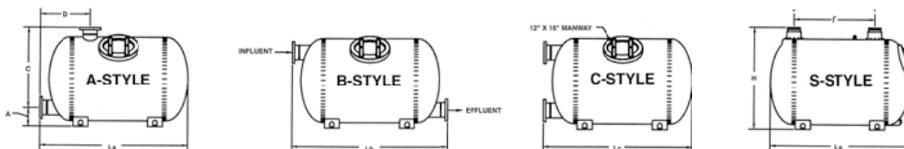


15-220

STARK STACKED SYSTEMS — Includes same items as horizontal systems. Filter manholes can be located on either side of filter tanks for easy access. Designed for Seismic Zone 4 loading with additional supports or braces. Automated systems also available.

STARK STACKED SYSTEMS — 42" DIA.

Model	Manual	Filter Area Sq. Ft.
STACKED SYSTEMS - B - STYLE		
SB2-48-06ST	15-200	25.6
SB2-72-06ST	15-205	40.0
SB2-96-06ST	15-210	54.0
SB2-120-08ST	15-215	70.0
SB2-144-08ST	15-220	82.0
SB4-48-06ST	15-225	51.2
SB4-72-08ST	15-230	80.0
SB4-96-10ST	15-235	108.0
SB4-120-10ST	15-240	140.0
SB4-144-12ST	15-245	164.0
STACKED SYSTEMS - C - STYLE		
SC2-48-06ST	15-250	25.6
SC2-72-06ST	15-255	40.0
SC2-96-06ST	15-260	54.0
SC2-120-08ST	15-265	70.0
SC2-144-08ST	15-270	82.0
SC4-48-06ST	15-275	51.2
SC4-72-08ST	15-280	80.0
SC4-96-10ST	15-285	108.0
SC4-120-10ST	15-290	140.0
SC4-144-12ST	15-295	164.0





STARK HORIZONTAL HIGH RATE SAND FILTERS — Filament wound, composite filter tanks with end manway and top connections for ease of assembly and service. 60" diameter tanks are designed for a maximum operating pressure of 75 psi with a maximum burst safety factor of 4 to 1. Gel coat fiberglass tank lining is filament wound with continuous fiberglass strand. Horizontal design maximizes filter area square footage and provides a deeper filter bed depth than other horizontal high rate sand filters. Multi-spray head diverters and full width laterals result in long filtration cycles and maximize backwashing effectiveness. Vessels finished with Paracote UV resistant coating, for added protection. Available in single tank and multiple tank configurations. Completely non-corrosive systems withstand the effects of pool water chemistry, electrolysis, and corrosion. **15 Year Limited Warranty.**

5S STYLE SYSTEMS include: Front mounted manhole with viewport, influent/effluent pressure gauges, pre-glued Schedule 80 PVC face piping with flanged connections, water activated backwash valves, manual multiport backwash valve, manual air relief ball valves, and media dump port. UL Listed Automatic Backwash Controller (24 VAC) is available as an option, in place of manual backwash valve, and includes flow meter/saddle and temperature probe. Optional Stark Controller Interface allows use of integrated backwash controllers from other manufacturers in place of manual multiport valve. Para-Pump Booster System, to maintain water pressure to backwash valve also available as an option. **NSF Listed.**

5S STYLE SYSTEMS – 60" DIAMETER

Model	Tank Size D x L	Tank Connection Size	Filter Area Sq. Ft.	Flow Rate @ 15 GPM per sq. ft.	6 HR. Turnover @ 15 GPM per sq. ft.	Manual	Automatic
5S1-30	60" x 78"	6"	30.0	450	162,000	15-800	15-900
5S1-35	60" x 90"	6"	35.0	525	189,000	15-820	15-920
5S1-40	60" x 102"	6"	40.0	600	216,000	15-840	15-940
5S1-45	60" x 114"	8"	45.0	675	243,000	15-860	15-960
5S1-50	60" x 126"	8"	50.0	750	270,000	15-880	15-980
Semi-Automatic Backwash Controller						15-725	•
Automatic Backwash Controller						•	15-030
Para-Pump Booster System						15-032	

STARK ACCESSORIES



15-725

STARK CM200 BACKWASH CONTROLLER



15-032

PARA-PUMP BOOSTER SYSTEM



15-030

AUTOMATIC BACKWASH CONTROLLER



5-005

AUTOMATIC BACKWASH CONTROL SYSTEMS CHEMTROL 4000 FILTER CONTROLLER

Integrated filter controller for continuous monitoring and/or control of flow rate, influent and effluent pressures, temperature, main circulation pump and filter backwash cycles. Includes: electronic flow meter, electronic temperature sensor, NEMA 4X (rain and splash proof) lockable fiberglass cabinet, memory storage battery, and on-board storage for up to 6 months of data. Additional options available, inquire. **5 Year Warranty.**

5-005



15-720

STARK CS400 BACKWASH CONTROL

Compatible with Stark or Pentair THS filtration systems that utilize diaphragm style backwash valves. Integrated multiport valve can actuate up to 6 filters. Backwash can be initiated in three ways: true semi-automatic backwash at the single touch of a button, via external signal from a master filter room controller, or by a signal from a differential pressure switch. Includes: Fireman's heater time delay, programmable backwash times, alarm, and data logging.

15-720



18-080

STARK FILTER PARTS

- 18-080 Stark Multiport Actuator
- 18-095 Stark Actuator check valve, 1/4"
- 18-085 Stark polyethylene tubing, 3/8"



18-107

18-106

- 18-106 Stark influent pressure gauge
- 18-107 Stark effluent pressure gauge
- 18-108 Stark Multiport pressure gauge
- 18-112 Stark pressure regulator, 1/4", w/fittings



18-069



18-071

STARK 3-WAY BACKWASH VALVES

Size	Flanged	Grooved
6"	18-071	18-072
4"	18-068	18-069

- 18-172 Stark valve rebuild kit, 6"
- 18-173 Stark valve rebuild kit, 4"
- 18-174 Stark valve rebuild kit, 6" clear



18-390

18-385

STARK 2-WAY PRIORITY VALVES

Size	Flanged	Grooved
6"	18-390	18-380
4"	18-395	18-385



18-400

18-405

- 18-400 Stark grooved coupling, 6"
- 18-405 Stark grooved coupling, 4"



18-055

STARK GASKETS

Size	Flanged Gasket	Grooved Gasket
6"	18-075	18-053
4"	18-076	18-052
18-055	Stark manhole gasket	
18-056	Stark sideport seal, 4"	



18-057

18-058

STARK MANWAY COVER WITH VIEWPORT

Replacement manway cover with viewport allows inspection of sand bed. Rated at 100 psi. Yokes and hardware ordered separately.

- 18-057 Stark manway cover with viewport
- 18-058 Stark manway yoke, each



18-101

- 18-101 Stark sight glass, 2"



STARK FIBERGLASS NUT & BOLT SET

Set includes: 1 nut and 1 bolt.
18-105



18-096

18-097

18-098

18-099

18-104

18-103

18-111

STARK TUBE FITTINGS

- 18-096 Stark 1/4" x MPT quick elbow fitting
- 18-097 Stark 1/4" FPT quick tubing fitting
- 18-098 Stark union elbow, 3/8"
- 18-099 Stark 1/4" quick tubing tee
- 18-104 Stark 1/4" MPT x quick tubing fitting
- 18-111 Stark 1/4" MPT x brass quick tubing
- 18-103 Stark air relief strainer only



18-060

- 18-060 Stark lateral, 10"
- 18-061 Stark small/short lateral, 3 1/2"
- 18-054 Stark media dump lateral, 1/2" x 6"



18-065

- 18-065 Stark diverters

Commercial Filter Systems

COMMERCIAL HIGH RATE SAND FILTER SYSTEMS

ASTRAL HORIZONTAL HIGH RATE SAND FILTERS

The AstralPool laminated FRP Aster filters have been designed for commercial applications. Manufactured with 100% non-corrosive thermoset composite structure with a smooth gel coat exterior surface and marine grade finish. Patented 9" lid-locking system eliminates the traditional nut and bolt style and provides tool-free access. Internals are constructed of PVC 1" screwed laterals are constructed of polypropylene that are slotted 360 degrees to provide full flow and complete backwash. Equipped with 2" sand drain plug, water drain with media screen, air relief plug and pressure gauge. **Manual and automated manifolds are also available. NSF Listed.**



16-200

Model	Tank Diameter	Filter Area Sq. Ft.	Tank Inlet, Outlet & Pipe Manifold	Flow Rate GPM (15 Sq. Ft. Total)	Flow Rate GPM (20 Sq. Ft. Total)	Model No. 4-Valve Manifold
42" Diameter Tanks						
15-201	42"	15.7	4"	235	314	18-500
15-206	42"	21	4"	315	420	18-500
15-211	42"	26	4"	390	520	18-500
15-216	42"	26	4"	390	520	18-500
15-221	42"	30	6"	450	600	18-505
15-226	42"	34	6"	510	680	18-505
15-231	42"	38	6"	570	760	18-505
15-236	42"	42	6"	630	840	18-505
15-241	42"	45	6"	675	900	18-505
15-246	42"	48	6"	720	960	18-505
48" Diameter Tanks						
15-251	48"	24	6"	360	480	18-510
15-256	48"	29	6"	435	580	18-510
15-261	48"	34	6"	510	680	18-510
15-266	48"	38	6"	570	760	18-510
15-271	48"	44	6"	660	880	18-510
15-276	48"	48	6"	720	960	18-510
15-281	48"	52	6"	780	1040	18-510
15-286	48"	56	6"	840	1120	18-510

ASTRAL VERTICAL SAND FILTERS — Available in sizes ranging from 42" Dia. (9.26 Sq. Ft.) through 93" Dia. (46.69 Sq. Ft.). The filter tanks are made of non-corrosive fiberglass and polyester resin which provides a maximum working pressure of 50 PSIG with a test pressure of 80 PSIG. Each filter is fitted with collector body laterals and diffuser made of PVC and polypropylene which allow a maximum working temperature of 122° F. All filter tank manifold components are manufactured by Astral and are guaranteed to be non-corrosive and low maintenance. Tanks are lightweight and easily handled with a forklift or pallet jack. **NSF Listed.**



Model	Tank Diameter	Filter Area Sq. Ft.	Tank Inlet, Outlet & Pipe Manifold	Flow Rate GPM (15 Sq. Ft. Total)	Flow Rate GPM (20 Sq. Ft. Total)	Model No. 4-Valve Manifold
15-291	42"	9.26	3"	139	186	18-515
15-296	47"	12.16	3"	182	.	18-520
15-301	47"	12.16	4"	.	244	18-525
15-306	55"	16.58	4"	249	332	18-530
15-311	63"	21.64	4"	325	.	18-535
15-316	63"	21.64	6"	.	432	18-540
15-321	71"	27.34	6"	410	546	18-545
15-326	79"	33.8	6"	507	676	18-550
15-331	93"	46.6	6"	699	.	18-555
15-336	93"	46.6	8"	.	932	18-560

PENTAIR THS HORIZONTAL HIGH RATE SAND FILTERS

Fiberglass filter vessels eliminate corrosion issues. Filter tanks are ordered individually and can be banked together to handle different size pool applications. Tanks include: 12" x 16" man-way, tank internals, tank drain, and 6" flanged connections. 34" x 61" tanks utilize 4" diaphragm valves with Victaulic connections. Face Piping Kits are available for single tank and dual tank systems and are ordered separately. Diaphragm Valve Kits require automatic or semi-automatic controls and include: flanged diaphragm valves, pre-glued Sch. 80 PVC piping, backwash sight glass, gaskets and hardware. Semi-automatic controls include: multiport valve with gauge panel, pressure regulator and check valve. Automatic Controls include: microprocessor controller with influent/effluent pressure transducers. Manual systems with butterfly valves and systems utilizing more than two tanks also available - inquire. 50 psi operating pressure. **NSF Listed.**

THS FILTERS

Item	Tank Size D x L	Filter Area Sq. Ft.	Flow Rate	6 Hr. Turnover
			@ 15 GPM /Sq. Ft.	
16-300	34" x 61"	13.5	203 GPM	73,080
16-305	34" x 84"	19.0	285 GPM	102,600
16-200	42" x 72"	19.7	295 GPM	106,200
16-205	42" x 84"	23.2	348 GPM	125,280
16-210	42" x 96"	26.7	400 GPM	144,000

FACE PIPING KITS/CONTROLS

Single Tank Systems	Diaphragm Valve Kits - 4"	Diaphragm Valve Kits - 6"
Automatic	16-267	16-235
Semi-Automatic	16-265	16-225
Dual Tank Systems	Diaphragm Valve Kits - 4"	Diaphragm Valve Kits - 6"
Automatic	16-280	16-240
Semi-Automatic	16-270	16-230
36" x 84" Dual Tank Face Piping Kits		
Automatic	.	16-290
Semi-Automatic	.	16-285

AUTOMATIC CONTROL OPTIONS

- 16-245 Flow Meter Kit — with 6" saddle
- 16-250 Temperature Probe Kit



REGENERATIVE MEDIA FILTERS

The use of a **Regenerative Media Filter (RMF)** allows you to utilize the latest in aquatics technology to filter your facility water. This new technology allows you to reduce the consumption of water, while providing superior water quality and clarity. The RMF filter, through the reduction in the water needed to clean the filter, has a notable reduction of energy and chemical costs. These new systems require a minimal footprint and utilize an environmentally friendly filtering media. These features make it a sustainable solution for any facility. **NSF Listed.**

- Powder coated stainless steel or fiberglass tank construction.
- Models ranging from 100 square feet to 1,600 square feet of filter area.
- Fully automated system.
- Space-saving flangeless lid design guarantees the smallest mechanical room footprint in the industry. This time-saving feature ensures that zero piping connections need to be un-flanged during filter clean-out or inspection. No lid removal required.
- In-field adjustable filter square footage provides industry-first, post-installation adaptability with zero change-out of major components.
- Large service manways allow industry-leading access for quick and safe inspection of internal components and easy filter clean-out. All components can be serviced without entering the tank.
- Four-position influent tee permits optimal supply and drain piping configuration layout in the mechanical room.
- Three interchangeable mount locations for the controller and vacuum modules provide unparalleled user interface options to address operator access constraints in congested mechanical rooms.
- Fully automated smart filter controller with a flowmeter, temperature monitoring, valve status, soil level alerts, performance trends, remote access, and more.
- 304L stainless steel tanks are ASME Certified National Board registered.
- Patent-pending diffuser plate providing laminar straightened influent water flows and reducing turbulence.
- The only NSF 50 tested and certified filter using NSF 50 approved perlite media.

AQUIFY REGENERATIVE MEDIA FILTERS

— Regenerative Media Filter (RMF) systems provide exceptional water quality, with filtration rates down to 1-micron particulate size. In addition, the system is designed to reduce both energy consumption and reduce chemical costs. The filter uses Perlite as the filter media, which is non-toxic and environmentally friendly, and is safe for the facility operator to use. Available in Stainless Steel or Fiberglass versions. Each system includes the following: filter tank, external "pulse" mechanism, media loading system, internal flexible tube element assembly, sight glass, three access manways, valves, and the automated filter controller. All components are manufactured, assembled, and tested prior to shipment. **10 Year Filter Tank and Internals Warranty. NSF 50 Listed.**

Stainless Steel	Fiberglass	Filter Area Sq. Ft.	Flow Rate Min. 0.5 GPM / Sq. Ft.	Flow Rate Max 1.5 GPM / Sq. Ft.	Tank Diameter
16-400	16-415	100	50	150	30"
16-401	16-416	200	100	300	30"
16-402	16-417	300	150	450	30"
16-403	16-418	400	200	600	36"
16-404	16-419	500	250	750	36"
16-405	16-420	600	300	900	42"
16-406	16-421	700	350	1050	42"
16-407	16-422	800	400	1200	48"
16-408	16-423	900	450	1350	48"
16-409	16-424	1000	500	1500	54"
16-410	16-425	1200	600	1800	54"
16-411	16-426	1400	700	2100	60"
16-412	16-427	1600	800	2400	60"

Filter Systems



16-400

WATERCO MICRON VERTICAL SAND FILTERS — Fiberglass reinforced (FRP) high rate sand filters are available in sizes from 42" Dia. (9.62 Sq. Ft.) to 78.8" Dia. (34.0 Sq. Ft.) per tank. All filter tanks utilize filament wound fiberglass for strength and durability. Filters include an exclusive, hydraulically balanced, lateral configuration and distribution manifold to maximize filtration efficiency. Multiple filters can be used to accommodate required filter area for your facility. Filters include- filter tanks, internal lateral assembly, flanged side port connections, 12"x 16" filter manway, and tank drain. 58 psi maximum working pressure. Schedule 80 PVC single tank or dual tank manual face piping manifolds and dual pressure gauge panel ordered separately. Face piping also can be supplied with optional electric butterfly valves- inquire. 10 Year Tank Warranty. **NSF Listed.**

Item	Size	Tank Inside Dia.	Filter Area Sq.Ft.	Flow Rate
16-500	3"	42.0"	9.62	144
16-501	3"	47.3"	12.56	188
16-502	4"	47.3"	12.56	188
16-503	4"	55.2"	16.49	247
16-504	4"	63"	21.64	325
16-505	6"	63"	21.64	325
16-506	6"	70.86"	27.5	413
16-507	6"	78.8"	34.0	510
16-508	Waterco Dual Pressure Gauge Panel			

Size	Single Tank Manual 4-Valve Manifold	Dual Tank Manual 5-Valve Manifold
3"	16-510	16-513
4"	16-511	16-514
6"	16-512	16-515



17-005

MULTIMEDIA FILTERS

STA-RITE SYSTEM 3 FILTERS — Dura-Glas tank construction. System offers interchange-ability of filter media. Posi-lok clamping system makes maintenance easy. Available in high rate sand, diatomaceous earth and cartridge filter styles. 2" tank port size. Backwash valve and media extra. **NSF Listed.**

Item	Filter Media	Filter Area Sq. Ft.	Tank Diameter
17-005	Sand	2.4	21"
17-010	Sand	3.4	25"
17-015	D.E.	37	21"
17-020	D.E.	53	25"
17-025	Cartridge	300	21"
17-030	Cartridge	450	25"



System 3 Cartridge Filter



System 3 DE Filter



System 3 Sand Filter



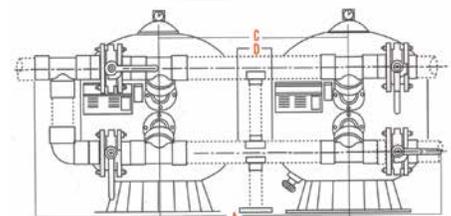
17-065

PENTAIR TRITON FILTERS — Patented one-piece fiberglass tank with UV protected surface. Top loading with swing-away diffuser for instant access to sand bed. Available with 2" threaded or 3" flanged tank ports. TR 140C / TR 100C commercial models have larger 8" opening, 3" flanged connections, and 2" drain. Tandem plumbing kits and automatic backwash controls available. Backwash valve and media extra. **NSF Listed.**

Item	Model	Filter Area Sq. Ft.	Tank Dia.	Color	Tank Port Size
17-050	TR 40	1.92	19"	Almond	2"
17-055	TR 50	2.46	21"	Almond	2"
17-060	TR 60	3.14	24"	Almond	2"
17-065	TR 100	4.91	30"	Almond	2"
17-070	TR 140	7.06	36"	Almond	2"
17-075	TR 100C	4.91	30"	Almond	2"
17-080	TR 140C	7.06	36"	Almond	2"
17-081	TR 100 C-3	4.91	30"	Black	3"
17-082	TR 140 C-3	7.06	36"	Black	3"



17-082





CARTRIDGE FILTERS

PENTAIR CLEAN & CLEAR FILTERS

— Durable FRP tank with union connections and coreless cartridge for easy cleaning. 2" tank ports with 1" drain and wash out opening. 15½" diameter tank, for tight installations. **NSF Listed.**

Item	Model Number	Filter Area Sq. Ft	Tank Diameter	Tank Port Size
17-250	CC 50	50	15½"	2"
17-255	CC 75	75	15½"	2"
17-260	CC 100	100	15½"	2"
17-265	CC 150	150	15½"	2"
17-270	CC 200	200	15½"	2"



17-200

PENTAIR QUAD DE FILTERS — DE filter uses four removable DE cartridges for greater dirt trapping capacity. FRP filter tank for long life. Backwash valve ordered separately. **NSF Listed.**

Item	Model	Filter Area Sq. Ft	Tank Diameter	Tank Port Size
17-200	DE 60	60	21.5"	2"
17-205	DE 80	80	21.5"	2"
17-210	DE 100	100	21.5"	2"



SPECIALTY VALVES

PENTAIR FULLFLO XF VALVES

— Available in 2-Way, 3-Way, and diverter styles. These valves are ideal for diverting, shutoff, or mixing applications. PTFE coated diverter seal requires no lubrication. Can be operated by hand or used with motorized valve actuator. Chemical resistant CPVC material with 2½"/3" connection.

- 17-300 3-Way Diverter valve
- 17-310 2-Way Diverter valve
- 17-320 Motorized valve actuator, 90 degree
- 17-321 Motorized valve actuator, 120 degree
- 17-322 Motorized valve actuator, 180 degree
- 17-325 Straight body check valve
- 17-330 90 degree body check valve
- 17-335 Check valve rebuild kit



16-380

HAYWARD HCF SERIES CARTRIDGE FILTER

— The Dual Quad-Cluster commercial HCF7030C cartridge filter system features 700 sq. ft. of filter area providing heavy-duty, dirt-holding capacity and extra-long filter cycles reduce operation costs and enhance the eco-friendliness of the facility by saving thousands of gallons of carefully-balanced, heated pool water per month through the elimination of backwashing. Ideal for new construction or retrofit, the HCF7030C is able to accommodate commercial flow rates to 150 GPM. The filter exterior is molded from a glass reinforced copolymer material, capable of meeting the rigorous demands of the commercial environment. 700 sq. ft. of high performance filter media. Easy access to eight compact cartridges for fast, manageable cleaning. Effective particulate removal of 10-20 microns vs. 20-40 microns with sand 2" or 2 1/2" connections with full 2in internal piping. Noryl™ bulkhead fittings for extra strength and heat resistance. Full-Size 1 1/2" integral drain providing easy access and fast clean-out and flushing. Heavy-duty, tamper-proof clamp securely fastens tank top and bottom and combination pressure and filter cleaning cycle indicator gauge. Determined by pump size and piping system hydraulics, 2 ½" piping is recommended for flow rates equal to or greater than 90 GPM. Hayward doesn't recommend flow rates above 150 GPM. **NSF Listed**

Model	Filter Area Sq. Ft	Design Flow Rate	Tank Diameter	Tank Port Size
16-380	700	*150gpm	26"	2.5"



17-175



17-170

BACKWASH VALVES

STA-RITE BACKWASH VALVES

- 17-170 2" ABS Unitrol valve, D.E. / Sand filters
- 17-175 2" Multiport Rotary valve, D.E./Sand filters
- 17-176 2" Multiport Rotary valve, Sys 3 D.E.



17-185



17-180



17-100

PENTAIR BACKWASH VALVES

- 17-180 2" PVC slide valve, D.E. / Sand filters
- 17-185 2" Multiport valve, D.E. filters
- 17-190 2" Multiport valve, D.E. / Sand filters
- 17-191 2" Hi Flow valve, D.E. / Sand filters
- 17-192 2" Hi Flow valve, D.E. filters
- 17-083 2" adapter kit, threaded (2 required)

PRAHER BACKWASH VALVES

- 17-100 3" SM Multiport Valve for C-3

Filter Accessories



18-005 18-020 18-010

BACKWASH SIGHT GLASS

BACKWASH SIGHT GLASS — Clear sight glass installs into backwash line to inspect discharge water. Available in 1½" MPT brass vertical styles or 1½" FIP and 2" socket ABS horizontal in-line styles.

- 18-005 1½" brass, 4 bolt style
- 18-010 1½" brass, center bolt style
- 18-015 1½" ABS, in-line style
- 18-020 2" ABS, in-line style



18-110 18-115 18-120



18-125 18-130 18-136

DRY GAUGES

PRESSURE GAUGES - ¼" NPT

Gauge Diameter	0-60 psi	0-100 psi
2½"	18-110	18-125
3½"	18-115	18-130
4½"	18-120	18-135
4½" Fiberglass	.	18-136
2" Back mount	18-140	.
2" Bottom mount	18-145	.
4" Back mount	18-150	.



18-140 18-145 18-150



18-155 18-160 18-161



18-164 18-165 18-170

VACUUM/COMPOUND GAUGES ¼" NPT

Gauge Diameter	0-30" Hg	30" - 30 psi
2½"	18-155	18-164
3½"	18-160	18-165
4½"	18-161	18-170
4½" Fiberglass	18-162	18-171



18-335 18-340 18-345



18-350 18-355 18-360

LIQUID FILLED GAUGES

LIQUID FILLED GAUGES — ¼" NPT

Gauge Dia.	0-100 psi	0-30" Hg	30" - 30 psi
2½"	18-335	18-340	18-345
3½"	18-350	18-355	18-360



18-365 18-370 18-377 18-375

GAUGE ACCESSORIES

- 18-365 Brass gauge cock, ¼" NPT
- 18-370 Brass snubber, ¼" NPT
- 18-375 Brass needle valve, ¼" NPT
- 18-377 Brass nipple, ¼" NPT



18-175
18-176

MERCURY SWITCHES

MERCURY SWITCHES — Visible calibrated dial with on/off indication and two adjustable set points. Vacuum switch has adjustable operating range of 0-30" Hg and pressure switch has 5-100 psi adjustable operating range. 120 volt, UL listed.

- 18-175 Vacuum switch
- 18-176 Pressure switch



18-186



18-190

AIR RELIEF VALVES

AIR RELIEF VALVES

- 18-180 Automatic, steel
- 18-186 Automatic, poly/stainless steel
- 18-190 Manual air relief valve - ¼" (gauge ordered separately)



FILTER ACCESSORIES

SACRIFICIAL ANODES — Used as a sacrificial metal to prevent against electrolysis. Reduces pitting of your filters, heaters, and lines. For anode rods, please give make and model of filter and size of anode when new.

- 18-030 10" anode rod, Swimquip
- 18-045 Anti-electrolysis ball



18-050

MANHOLE GASKETS — Replacement gaskets for around filter inspection ports. Specify filter brand and model number.

- 18-050



FILTER GRID ASSEMBLIES

REPLACEMENT CENTER DRAIN GRIDS

Complete grid with polypropylene cover. Specify filter manufacturer when ordering. Spacers, end caps, and thru-rods ordered separately.

- 18-285** 16" diameter Chester
- 18-290** 24 diameter Paddock, 4.125" hub
- 18-295** 24 diameter Paddock, 4.75" hub
- 18-195** 26" dia. Swimquip, without spacer
- 18-206** Swimquip HBF grid conversion kit
- 18-207** Universal filter grid spacer



REPLACEMENT BOTTOM OUTLET GRIDS

Complete grid assembly with grid, polypropylene cover, and gasket. Specify filter manufacturer when ordering. Manifold adapters and element clamps ordered separately.

- 18-210** 30" x 36"
- 18-215** 38" x 48"
- 18-220** 30" x 60"
- 18-221** 36" x 60"



REPLACEMENT SIDE OUTLET GRIDS

Complete grid assembly with grid, polypropylene cover, and gasket. Specify filter manufacturer and side outlet location when ordering. Manifold adapters and element clamps ordered separately.

- 18-300** 30" x 36"
- 18-305** 38" x 48"
- 18-310** 30" x 60"



REPLACEMENT DOUBLE SIDE OUTLET GRIDS

Complete grid assembly with grid and polypropylene cover. Specify filter manufacturer when ordering. Manifold adapters and element clamps ordered separately.

- 18-315** 30" x 36"
- 18-325** 30" x 60"



FILTER GRID COVERS

REPLACEMENT FILTER GRID COVERS

Polypropylene cover with velcro closure for easy on, easy off field replacement. Zip-on covers available but recommended for pressure filters only. Specify outlet location.

Grid Cover Size	Velcro Closure	Zipper Closure
24" diameter	18-223	18-224
26" diameter	18-225	18-226
24" x 36"	18-228	▪
24" x 45"	18-229	▪
30" x 36"	18-230	▪
38" x 48"	18-235	▪
30" x 60"	18-240	▪

FILTER GRID RECOVERING

FILTER GRID RECOVERING SERVICE

Strip off old fabric and send grids to factory to have new polypropylene covers sewn on your existing element. Other sizes available.

- 18-244** 24" diameter
- 18-245** 26" diameter

TUBULAR ELEMENT COVERS

TUBULAR ELEMENT COVERS

Replacement polypropylene "filter socks" for pressure DE Filters. Specify filter manufacturer when ordering. Other sizes available - inquire.

- 18-241** 3" x 33"
- 18-242** 3" x 37"
- 18-243** 3" x 49"



18-250

FILTER CARTRIDGES

REPLACEMENT FILTER CARTRIDGES

Replacement polyester cartridges for cartridge filters. Many other sizes available.

- 18-250** Harmsco 9 $\frac{3}{4}$ " x 2 $\frac{3}{4}$ ", 6 sq. ft.
- 18-251** Harmsco 9 $\frac{5}{8}$ " x 7 $\frac{3}{4}$ ", 55 sq. ft.
- 18-252** Harmsco 19 $\frac{1}{2}$ " x 7 $\frac{3}{4}$ ", 105 sq. ft.
- 18-253** Harmsco 29 $\frac{1}{16}$ " x 7 $\frac{3}{4}$ ", 155 sq. ft.



18-265
18-270

- 18-255** Sta-Rite System 3, 100 sq. ft.
- 18-260** Sta-Rite System 3, 200 sq. ft.
- 18-265** Sta-Rite System 3, 191 sq. ft.
- 18-270** Sta-Rite System 3, 259 sq. ft.



18-336

FILTER CLEANING AIDS

FILTER FLOSSER

Spend less time, energy and maximize the life of your filter cartridges by using the Filter Flosser cleaning tool. Reaches between the pleats to remove build up and will extend the life of your filter cartridges. Aluminum construction with integrated water shut off valve. Fits onto your standard size garden hose.

- 18-336** Filter Flosser

Flow Meters



19-012

19-009

FLOW METERS

SIGNET TRANSMITTERS/MONITOR —

Available in two styles digital or analog. **Signet SmartPRO Transmitter** features a large backlit digital display and dial type bar graph. Accuracy of + .2% with 4-20 mA output. Runs on 12 to 32 VDC power (24 VDC nominal). **UL Listed.**

19-009 SmartPro Transmitter, field mount

19-012 SmartPro Transmitter, panel mount

19-013 SmartPro Wall Mount Kit



19-065

19-066

SIGNET ROTOR-X FLOW SENSOR —

Paddlewheel sensor is simple to install with a highly repeatable output. Can be installed on pipe up to 36". The **Signet 515** flow sensor is self-powered and offers an operating range of 1 to 20 ft./sec. The **Signet 2536** flow sensor generates an open-collector output and offers an operating range of 0.3 to 20 ft./sec. The 2536 is also a direct replacement for units used with controllers. Transmitter/ monitor and installation fitting are ordered separately.

Pipe Size	Signet 515 (Red Cap)	Signet 2536 (Blue Cap)
1/2" - 4"	19-065	19-066
5" - 8"	19-070	19-071
10" - 36"	19-075	19-076



19-100



19-101

SIGNET INSTALLATION FITTINGS

Pipe Size	PVC Clamp Saddle	Saddle Fitting
3"	19-095	19-096
4"	19-100	19-101
5"	.	19-103
6"	19-105	19-106
8"	19-110	19-111
10"	.	19-116
12"	.	19-121



19-450

SIGNET MAGMETER FLOW SENSORS —

Magmeter is an insertion style magnetic flow sensor without any moving parts and is constructed of corrosion resistant materials for long term reliability. 4-20 mA output can be used for direct input to controllers or for other output needs. Can provide long distance signal output of up to 1,000 ft. Accuracy of +/- 1%. Can be mounted on pipes from 1/2" to 36" diameter. Installation fitting ordered separately. Specify size and type of pipe when ordering. 24 VDC.

19-445 Flow Sensor with Display, 1/2" - 4" pipe

19-450 Flow Sensor with Display, 5" - 8" pipe

19-455 Flow Sensor with Display, 10" - 36" pipe

19-008 Flow meter transformer, 24 volt

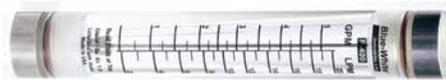


19-245

BLUE-WHITE F1000 DIGITAL FLOW METER —

Battery operated digital flow meter and flow totalizer. Tamper-proof, ABS, NEMA 4X enclosure. Clear 6 digit LCD display. +/- 2% accuracy. PVDF saddle mount (2" / 3") or Sch. 80 PVC saddle mount (4" / 6" / 8"). Operates on 2 AAA batteries, included. Also available, as flow rate only or flow totalizer only meters, inquire.

Item	Size	GPM Range	Item	Size	GPM Range
19-235	2"	30-300	19-250	6"	250-2,500
19-240	3"	60-600	19-255	8"	400-4,000
19-245	4"	100-1,000	.	.	.



19-170

BLUE-WHITE IN-LINE FLOW METERS —

Machined acrylic body with stainless float and reinforced FPT adapters for vertical installation.

Item	Size	Flow Range
19-170	1/2"	.5 - 5.0 GPM
19-175	3/4"	1.0 - 10.0 GPM
19-180	1"	1.0 - 170 GPM



19-140

19-133

BLUE-WHITE FLOW METERS —

Clear acrylic body, stainless steel float, and easy-to-read GPM/LPM scale. Units include: meter, seal, and stainless steel mounting clamps. Available for horizontal pipe and vertical pipe (flow up or flow down). For Sch. 40 PVC pipe installation. Meters for copper tubing mounting also available - inquire. Specify type of pipe.

HORIZONTAL PIPE

Item	Size	GPM Range	Item	Size	GPM Range
19-135	1 1/2"	10-70	19-155	4"	75-420
19-140	2"	20-120	19-160	6"	170-1,100
19-145	2 1/2"	29-150	19-165	8"	300-2,200
19-150	3"	45-240	.	.	.
19-167	Replacement Flow Meter Relief Cap				

VERTICAL PIPE

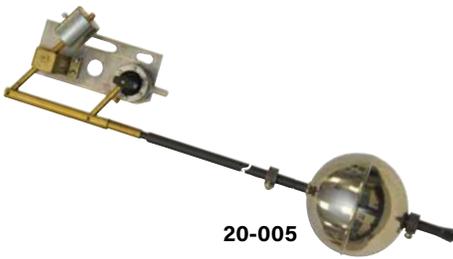
Item	Size	Flow Direction	Flow Range
19-131	1 1/2"	Up	10-60 10-50
19-132		Down	10-60 10-50
19-133	2"	Up	20-110 20-100
19-134		Down	20-110 20-100



BLUE-WHITE F2000 DIGITAL FLOW METER —

Saddle mounted digital flow meter features easy to read 8 digit LCD, front panel security lockout. Available as AC/DC transformer or battery operated. Factory programmed with calibration certificate. Please specify size and power options when ordering.

Item	Size	GPM Range	Item	Size	GPM Range
19-500	1.5"	15- 150	19-504	6"	250- 2,500
19-501	2"	30- 300	19-505	8"	400- 4,000
19-502	3"	60- 600	19-506	10"	600- 6,000
19-503	4"	100- 1,000	19-507	12"	800- 8,000



20-005

WATER LEVEL CONTROLS

SURGE CHAMBER FLOAT CONTROL

Float actuated multiport pilot control which provides hydraulic on/off operation. Designed for use in open surge tanks. Control operates on minimum level change of 1" and maximum level change of 19". Includes: float control with 2' PVC rod, and wall mounting bracket. Additional 1' PVC rod extensions and brass connectors ordered separately. PVC rod length is 5' maximum unless counter weight is changed. Optional stainless steel float rods and epoxy coated surfaces available. Use with water make up valve, ordered separately.

- 20-005 Surge chamber float control
- 20-006 1' rod extension, PVC
- 20-007 Brass float rod connector
- 20-001 Repl. surge chamber float only, s.s.



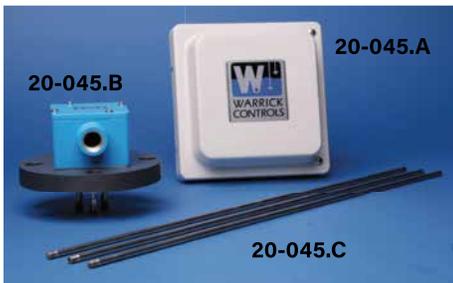
20-030

20-010

WATER MAKE-UP VALVES

Hydraulically operated, globe pattern diaphragm valve with threaded connections. For use with surge chamber float control. Ordered separately.

- 20-010 1" 20-025 2½"
- 20-015 1½" 20-030 3"
- 20-020 2"



20-045.B

20-045.A

20-045.C

WARRICK WATER LEVEL CONTROLLER

Electric control monitors fluid levels and activates water solenoid, when required. Components include: differential level relay mounted in NEMA 4 enclosure, flanged 3 probe holder, and 316 stainless steel probes, 3 required. Components ordered separately to make complete system. Specify probe lengths required. 120 volt solenoid ordered separately.

- 20-045.A Control w/NEMA 4 enclosure
- 20-045.B Flanged 3 probe fitting
- 20-045.C Stainless probes, per ft.



20-290

LEVOLOR ELECTRONIC WATER LEVEL CONTROLLER

Patented water level control system electronically maintains water level in pools, spas, and fountains. Easy to install on new or existing facilities. Easy-to-read LED display installed in weatherproof enclosure. Remote sensor mounts in stand pipe or static pipe. Includes: level controller (110V), sensor, remote sensor housing, and 1" solenoid valve (24V). Note: Sensor cable must not be spliced. Maximum pressure 125 PSI. Custom length cables available for additional charge.

- 20-290 Controller with 50 ft. sensor cable
- 20-300 Controller with 100 ft. sensor cable
- 20-310 Controller with 200 ft. sensor cable



WATER SOLENOID VALVES — For use with water level controls to actuate water makeup supply. 24 volt or 120 volt styles.

Size	24 Volt	120 Volt
¾"	20-040	20-046
1"	20-041	20-047
1½"	20-042	20-048
2"	20-043	20-049



BRONZE FLOAT VALVES — Heavy duty bronze float valve with Buna-N disc is rated at 125 psi. Third party certified to NSF/ANSI 372. Tapped for 1/4-20 SAE rod, with threaded outlet. Stainless steel rods and plastic floats ordered separately.

- 20-121 ½"
- 20-122 ¾"
- 20-123 1"



20-065

FLOAT VALVES

LINCOLN VERTICAL FLOAT VALVES

Polypropylene body and disc with dual 8" diameter adjustable plastic floats on stainless steel vertical float rods. For horizontal pipe installation. 80% shut off.

- 20-050 3" 20-065 8"
- 20-055 4" 20-070 10"
- 20-060 6" 20-075 12"
- 20-132 Replacement float only



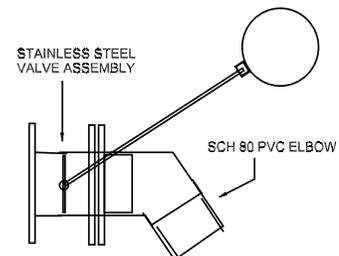
20-096

LINCOLN MODULATING FLOAT VALVES

Polypropylene body and disc with dual or single 8" diameter adjustable plastic floats on stainless steel float rod. For vertical or horizontal pipe installation. 80% shut off.

Size	Single Arm	Dual Arm
3"	20-080	20-081
4"	20-085	20-086
6"	20-090	20-091
8"	20-095	20-096
10"	20-100	20-101
12"	20-105	20-106
20-132	Replacement float only	

8" DIA FILLED BUTYRATE BALL FLOAT



YMCA STYLE FLOAT VALVES

Modulating float valve for use in surge tanks and open top Vacuum D.E. filters. YMCA style encases float valve in PVC pipe, with angled diversion plumbing and flanged connection. Float arm, shaft, and disc are stainless steel, with black plastic float ball.

- 20-320 4" 20-335 10"
- 20-325 6" 20-340 12"
- 20-330 8"

Valves & Plumbing Fittings



BUTTERFLY VALVES

PVC BUTTERFLY VALVES — Corrosion resistant thermoplastic body, disc & handle. Compact and light weight design. Full boot seal for durable performance. ANSI B16.5 Class 150 Flange Pattern. 7-Position Locking Polypropylene Handle.

Size	711N	311N	411N	411NG
2"	▪	▪	92-285	▪
2½"	▪	▪	92-290	▪
3"	92-245	92-265	92-295	▪
4"	92-250	92-270	92-300	▪
5"	▪	▪	92-305	▪
6"	92-255	92-275	92-310	▪
8"	92-260	92-280	92-315	92-320
10"	▪	▪	▪	92-325
12"	▪	▪	▪	92-330



PLASTIC BUTTERFLY VALVES — High performance thermoplastic butterfly valves and stronger and 60% lighter than metal valves. High quality, Swiss made, Butterfly Valve Type 565 is the same installation length as metal valves, for easy replacement. Materials of construction-PVDF disc, with EDPM sleeve, and fiber reinforced housing and inner disc. Available in manual lockable hand lever or gear operated with hand wheel style valves. Mounts between two pipe flanges, ordered separately.

Size	Lever Handle	Gear Operated
2"	92-600	92-610
2½"	92-601	92-611
3"	92-602	92-612
4"	92-603	92-613
5"	92-604	92-614
6"	92-605	92-615
8"	92-606	92-616
10"	92-607	92-617
12"	92-608	92-618



POOL PRO PVC BUTTERFLY VALVES

PVC body, PVC disc, and EPDM materials with 316 stainless steel stem. Seat design eliminates need for mating flange gaskets. Rated at 150 psi (1½" - 10") and at 100 psi (12") at 70°F. Field mountable accessories include: stem extensions, gear operators, and electric or pneumatic operators - inquire.

Size	Lever Handle	Gear Operated
1½"	92-1728015	▪
2"	92-1728020	▪
2½"	92-1728025	▪
3"	92-1728030	▪
4"	92-1728040	▪
6"	92-1728060	▪
8"	92-1728080.L	92-1728080.G
10"	▪	92-1728100
12"	▪	92-1728120



PVC BALL VALVES

PVC BALL VALVES — The CMP line of ball valves has one of the largest selections of sizes in the industry from ¾" to 4" socket size. Our two-way ball valves include easy to adjust replaceable handles.

Size	Item	Size	Item
¾"	92-500	2½"	92-525
1"	92-505	3"	92-530
1½"	92-510	4"	92-535
2"	92-520	▪	▪



PVC TRUE UNION BALL VALVES

PVC TRUE UNION BALL VALVES — Seat carrier is threaded into the body. The handle can be removed and used as a spanner wrench to tighten the carrier to adjust for seat wear. It can also be used to unthread the carrier to disassemble the valve. **NSF Listed.**

Size	050N	801N
½"	92-400	▪
¾"	92-405	▪
1"	92-410	▪
1½"	92-415	92-430
2"	92-420	92-435
2½"	92-425	92-440
3"	▪	92-445
4"	▪	92-450



92-210

CHECK VALVES

WAFER CHECK VALVE — The Wafer Check Valve is a non-return valve ideal for limited space installations. These valves are available for pipe sizes 2½" - 6". Equipped with SS spring which can be removed, if desired.

Size	EPDM	Viton
2½"	92-205	92-225
3"	92-210	92-230
4"	92-215	92-235
6"	92-220	92-240



20-155

BUTTERFLY CHECK VALVES — Low profile body has extremely quick response to back-flow, without slamming. PVC/CPVC materials with reinforced EPDM seal for long life. Can be mounted in horizontal or vertical positions. 2"-8" valves rated to 150 psi and 10"-12" valves rated to 100 psi. Available in sizes to 24" - inquire.

Size	Item	Size	Item
2"	20-135	8"	20-155
3"	20-140	10"	20-160
4"	20-145	12"	20-165
6"	20-150	▪	▪



20-460

KECKLY CHECK VALVES

Style DD - Wafer Double Disc Check Valve are made with an Epoxy Coated Cast Iron Body, Cast Stainless Steel Disc, EPDM Seat, 316 Stainless Steel Spring, 304 Stainless Steel Hinge Pin, and Stop Pin. Independent, dual shaft design allows interchangeability of shafts. The stop shaft stabilizes the discs during high flow rates. Can be used in both up-flow vertical and horizontal applications. Available in sizes up to 48".

Size	Item	Size	Item
3"	20-450	8"	20-470
4"	20-455	10"	20-475
5"	20-460	12"	20-480
6"	20-465	▪	▪



PLUMBING FITTINGS

PVC PLUMBING FITTINGS — Available in Schedule 40 and Schedule 80 PVC with solvent weld connections (SOC). Flanges available in Schedule 80 only and are Van Stone style with plastic ring.



90° EII (SOC)	Schedule 40	Schedule 80
2"	92-406-020	92-806-020
4"	92-406-040	92-806-040
6"	92-406-060	92-806-060
8"	92-406-080	92-806-080
10"	92-406-100	92-806-100
12"	92-406-120	92-806-120



Tee (SOC)	Schedule 40	Schedule 80
2"	92-401-020	92-801-020
4"	92-401-040	92-801-040
6"	92-401-060	92-801-060
8"	92-401-080	92-801-080
10"	92-401-100	92-801-100
12"	92-401-120	92-801-120



Flanges (Van Stone)	Schedule 80	Gaskets
2"	92-854-020	.
4"	92-854-040	92-PF-400NF8
6"	92-854-060	92-PF-600NF8
8"	92-854-080	92-PF-800NF8
10"	92-854-100	92-PF-1000NF8
12"	92-854-120	92-PF-1200NF8



92-444015

INSTALLATION SADDLES

CLAMP-IT PVC SADDLES — Heavy duty PVC tapping saddles available with SOC or FPT connections. Other sizes available.

Pipe Size	1"	1 1/2"	2"
SOC Connection			
3"	92-453010	92-453015	92-453020
4"	92-454010	92-454015	92-454020
6"	92-456010	92-456015	92-456020
8"		92-458015	92-458020
FPT Connection			
3"	92-443010	92-443015	92-443020
4"	92-444010	92-444015	92-444020
6"	92-446010	92-446015	92-446020
8"	92-448010	92-448015	92-448020



VALVE EXTENSIONS

VALVE EXTENSION HANDLES — Stainless steel valve extension handles allow you to adjust valves remotely. Valve extension, "T" handle, and stainless valve extension anchor ordered separately.

Item	Length	Item	Length
20-345	5'	20-375	11'
20-350	6'	20-380	12'
20-355	7'	20-385	13'
20-360	8'	20-390	14'
20-365	9'	20-395	15'
20-370	10'	.	.
20-400	Valve ext. tee handle, 28" x 36"		
20-405	Valve ext. anchor with cap		



20-270

STAINLESS REDUCER FITTINGS

FLANGED REDUCER FITTINGS — Available in concentric and eccentric designs and constructed of T304/T316 stainless steel. ANSI flange connections and includes 2 neoprene flange gaskets. Other sizes available - inquire. Eccentric reducers installed with flat side up.

Size		
	Concentric Design	Eccentric Design
4" x 3"	20-200	20-245
6" x 3"	20-205	20-250
6" x 4"	20-210	20-255
6" x 5"	20-215	20-260
8" x 4"	20-220	20-265
8" x 5"	20-225	20-270
8" x 6"	20-230	20-275
10" x 5"	20-235	20-280
10" x 6"	20-240	20-285



39-405

WATER STOP FITTINGS

WATER STOP FITTINGS — PVC water stop fittings are designed to slip over PVC pipe at wall inlet and floor inlet locations. Eliminates leaking and weeping plumbing by providing a "hydrodynamic" water stop.

- 39-400 1 1/2"
- 39-405 2"



39-420

WATER STOP COUPLINGS — PVC/Fiberglass construction fittings are designed for larger connection sizes than the smaller PVC water stop fittings. The couplings stop leaks at surge tanks, equipment room walls, and gutter manifolds. Anywhere your piping must pass through pool shell or facility walls.

- 39-410 3"
- 39-415 4"
- 39-420 6"
- 39-425 8"
- 39-430 10"
- 39-435 12"
- 39-440 14"

Main Drain Grates

VIRGINIA GRAEME BAKER POOL AND SPA SAFETY ACT

ANSI/APSP/ICC-16 2017 Background and General Information

(Main Drains and Grate coverings and the only Pool Products that are Federally Mandated into Law)

The Virginia Graeme Baker Pool and Spa Safety Act (VGBA) was first signed into law December 19, 2008. The VGBA's purpose is to prevent drain entrapment and child drowning in swimming pools and spa pools. In part, the Act requires that drain covers must comply with entrapment protection requirements specified by the joint standard from American Society of Material Engineers (ASME) and the American National Standards Institute (ANSI), ASME/ANSI A112.19.8 2007 performance standard or any successor standard. On February 17, 2011, the Association of Pool and Spa Professionals (APSP) approved the ANSI/APSP/IAPMO-16 2011 standard to succeed ASME/ANSI A112.19.8 2007 with effective date of September 6, 2011.

On August 18, 2017, Association of Pool Spa Professional (APSP) published APSP-16 2017. On May 24, 2019 the Consumer Product Safety Commission (CPSC) published a direct final rule in the Federal Register with effective date of November 24, 2020. The Covid-19 health crisis led to closures of many third-party testing laboratories and APSP requested a delay of the effective date. The effective date of the drain cover standard amendments finally went into effect **May 24, 2021 as ANSI/APSP/ICC-16 2017.**

ANSI/APSP/ICC-16 2017 establishes: materials, testing, installation, and marking requirements for new or replacement bather-accessible suction outlet-fitting assemblies (SOFA's). These include but not limited to: Hair Entrapment Testing, new "unblockable SOFA" definition, new labelling and identification requirements on these products, installation requirements and certificates of conformance (COC) requirements, the test laboratory that performed the analysis as well as the standard to which the product was tested, and when and where it was tested, additionally Registered Design Professional (RDP) requirements if applicable, and more. In the interest of public safety these have all been incorporated into the mandatory drain cover standard ANSI/APSP/ICC-16 2017.

"Unblockable SOFA" definition – a suction outlet fitting assembly that, when installed according to the manufacturer's instructions, cannot be shadowed by an 18" x 23" Body Blocking Element, and has a rated flow through the remaining open area beyond the shadowed portion that cannot create a suction force in excess of the force calculated in Equation 2 of APSP-16.

Verify Certification of these products by the manufacturer, verify manufacturer's labeling of each product, verify each product is shipped with product specific Installation Instructions and product specific Certificate of Compliance (COC) as required by ANSI/APSP/ICC-16 2017 federal law, to be delivered to the facility Owner at completion of installation.

ANSI/APSP/ICC-16 2017 can be purchased at: <https://webstore.ansi.org/standards/apsp/ansiapspicc162017> or downloaded for our Lincoln website at www.lincolnaquatics.com.



39-735

AQUASTAR VGB GRATES

VGBA-2017 Certified by NSF. Manufactured from certified UV-resistant engineered polymers. For new construction or retrofit into existing frames and sumps. Confirm drain cover specifications and flow rate meets applications requirements. Replace components at the end of their marked service life. **All AquaStar drain covers and sumps are tested at ISO 17025 testing labs and certified by ISO 17065 certifying bodies as conforming to the ANSI/APSP/ICC-16 2017 standard.**



39-760



39-835

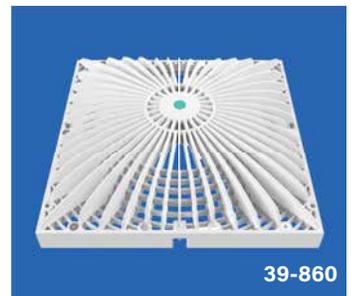
AQUASTAR ROUND VGB DRAINS

AquaStar offers round single-blockable main drain round covers that come in 8" and 10" sizes. AquaStar's A10 Universal Sumpless Suction Outlet Cover retrofits over all sumps/frames up to 10" with its unique adapter plate. Includes plastic anchor kit.

Item	Size	Description	Open Area (Sq. In.)	Flow Rate GPM	
				Floor	Wall
39-760	10"	A10 Universal Sumpless Grate & Frame	31.5	170	170
39-835	8"	Moflow Grate and Frame	16.6	166	113
39-735	8"	Suction outlet cover with riser ring & frame	13.1	61.2	61.2



39-840



39-860



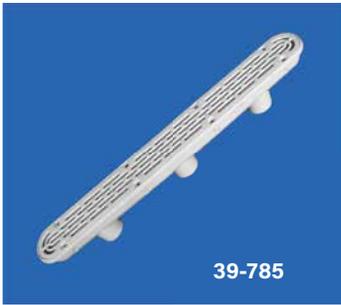
39-724



39-722

AQUASTAR SQUARE VGB DRAIN COVERS

Item	Size	Description	Open Area (Sq. In.)	Flow Rate GPM	
				Floor	Wall
39-840	9"x9"	Moflow Grate and Frame, 3/4"	36.8	172	172
39-860		Replacement Moflow Grate, for 1" Frame	35.8	167	167
39-820	12"x12"	Moflow Outlet Cover, 3/4"	71.2	274	278
39-845		Replacement Moflow Grate, for 1" Frame	69.1	274	278
39-724	14"x14"	Universal Square Grate for 9" Frames	84	393	300
39-722	16"x16"	Universal Square Grate for 12" Frame	101	460	445
39-729	18"x18"	Four 9" Square Star Grates and Frame	160.8	740	740



39-785



39-795



39-770



39-784

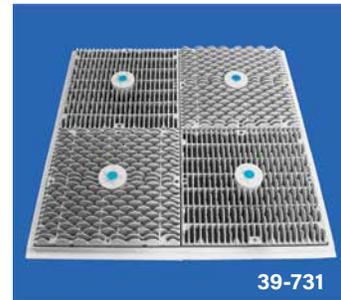
SINGLE-UNBLOCKABLE CHANNEL DRAINS

AquaStar's single-unblockable 32" and 20" channel drain covers feature heavy-duty PVC sumps and that have patented water stops around their edges that helps prevent leaks. The 20" Full Circle™ features a unique open design to blend with the pool or spa's surface.

Item	Size	Description	Open Area (Sq. In.)	Flow Rate GPM	
				Floor	Wall
39-785	32" Long	Flush Channel Drain with PVC Sump	25.9	316	208
39-795		Anti-Vortex Channel Drain with PVC Sump	22.6	236	136
39-770		Pinhole Channel Drain with PVC Sump	27.9	268	172
39-784	20" Dia.	Full Circle Outlet Drain with PVC Sump	42	158	•



39-730



39-731

SINGLE-UNBLOCKABLE SQUARE DRAINS

AquaStar offers two single unblockable 24" grates for high-flow applications. The flush grate is perfect for when swimmers will be walking around the installation area of the pool or spa. The wave design is made to be slightly uncomfortable on feet when standing to deter swimmers from being near the grates.

Item	Size	Description	Open Area (Sq. In.)	Flow Rate GPM	
				Floor	Wall
39-730	24"x24"	Four 12" Square Flush Grate & Frame	352	1531	1531
39-731	24"x24"	Four 12" Wave Grate & Frame	340.8	1444	1444

All AquaStar round and square drain covers up to 10" round and 16" square are available with the following additional sump bucket configurations. Call Lincoln Aquatics at (800) 223-5450 for more information.



39-545



39-560



39-540

HAYWARD VGB GRATES

HAYWARD VGB GRATES — These high quality VGB Compliant grates are designed with a smooth, sloped edge for safety and comfort. Available in: retro-fit style for use on existing Hayward frames or with new frame and grate assembly, for new construction. Grates are to be replaced every 7 years after date of install. **"Meets ANSI/APSP/ICC-16 2017 Standards."**

Item	Size	Description	Open Area (Sq. In.)	Flow Rate GPM	
				Floor	Wall
39-545	9" x 9"	Repl. inner frame & grate	23.96	264	224
39-550	12" x 12"	Repl. inner frame & grate	41.07	515	308
39-555	12" x 12"	Inner & outer frame & grate, pkg. of 2	41.07	515	308
39-560	18" x 18"	Inner & outer frame & grate, pkg. of 2	92.72	812	732
39-525	8" dia.	Frame & grate, pkg. of 2	8.1	125	72
39-540	8" dia.	Repl. floor cover & screws	8.1	125	72

Main Drain Grates

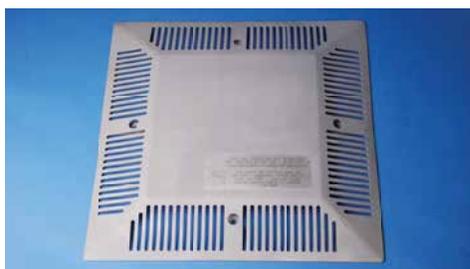


39-605

SUPERFLOW™ VGB GRATES

SUPERFLOW™ VGB GRATES — Domed SuperFlow™ grates have high effective flow rates compared to competitive grates. Raised cross-ridged profile for safety and foot comfort. Includes frame, grate, and attaching hardware. Available in 3 sizes. Grates are to be replaced every 10 years after date of install. **"Meets ANSI/APSP/ICC-16 2017 Standards."** NSF listed.

Item	Size	Description	Open Area (Sq. In.)	Flow Rate GPM	
				Floor	Wall
39-600	9" x 9"	Frame & grate assembly, set of 2	42.12	261	248
39-605	12" x 12"	Frame & grate assembly, set of 2	81.3	365	340
39-610	18" x 18"	Frame & grate assembly, set of 2	183.06	816	712

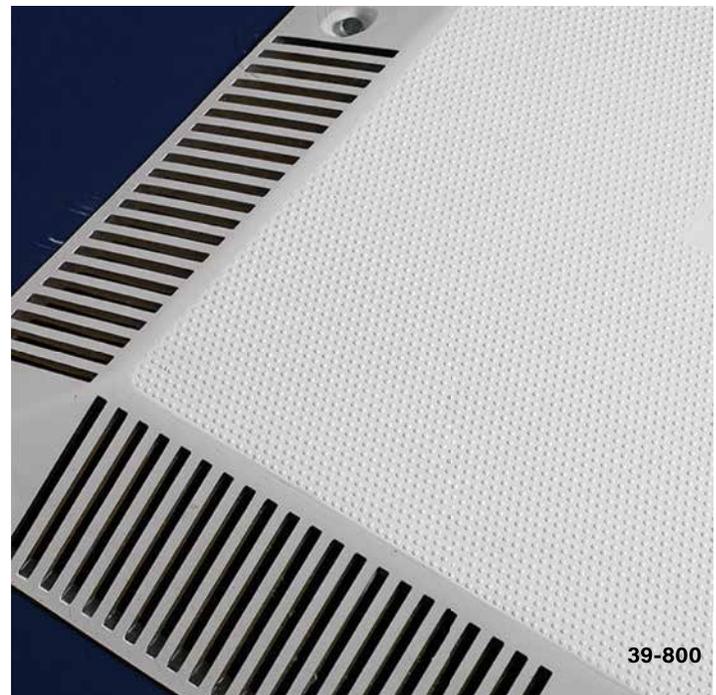


39-500

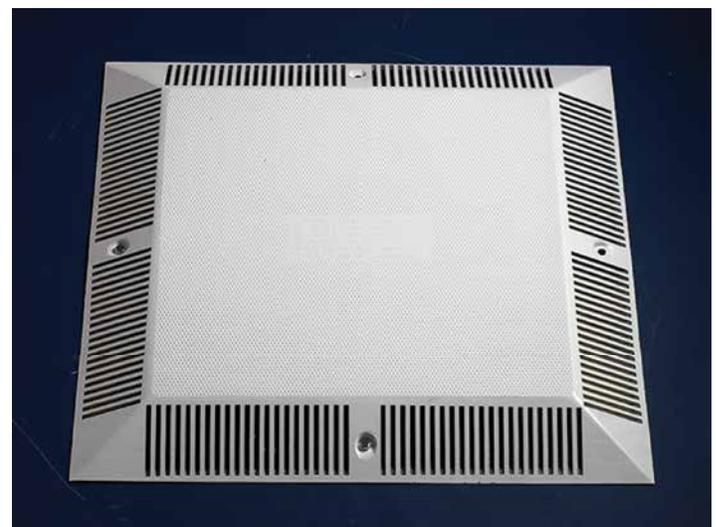
STAINLESS STEEL VGB GRATES

STAINLESS STEEL VGB GRATES — VGB Compliant drain covers have gradual sloped sides and a solid top surface for safety. These grates are designed to be placed over the top of your existing grate and sump to fully cover the opening and allow your facility to be compliant. Grates must be grounded. Grates are to be replaced every 20 years and hardware every 10 years after date of install. **Meets ANSI/ASME A112.19.8 performance standard.**

Item	Size	Description	Open Area (Sq. In.)	Flow Rate GPM	
				Floor	Wall
39-500	20"x20"	Stainless cover (fits 12"x12" sump)	73.6	223	.
39-505	26"x26"	Stainless cover (fits 18"x18" sump)	108.9	495	.
39-510	32"x32"	Stainless cover (fits 24"x24" sump)	144.3	675	.
39-515	44"x44"	Stainless cover (fits 36"x36" sump)	209.1	975	.



39-800



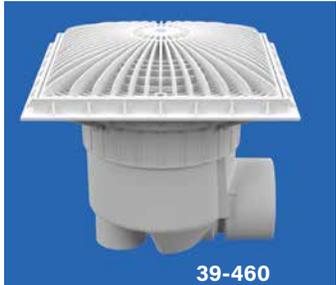
FIBERGLASS VGB GRATES

AEGIS FIBERGLASS VGB GRATE — This grate is the only solid fiberglass VGB drain cover available. Requires no grounding to the pool shell and is completely resistant to corrosion. 30" x 30" grate size allows main drain up to 24" x 24" to be covered. Stainless steel sumps with 30" x 30" VGB fiberglass grate available for new construction in two sizes: 18" x 18" x 18" sump (with 6" flanged connection) and 24" x 24" x 24" (with 8" flanged connection). Aegis VGB Grate includes stainless steel mounting hardware. NSF Certified Maximum Flow Rate: **Floor** - 1432 GPM and **Wall** - 1120 GPM. Maximum Flow Rate @ 1.5 fps - 600 GPM. Open Area: 128.21 sq. in. Grates are to be replaced every 10 years after date of install. **10 Year Warranty. "Meets ANSI/APSP/ICC-16 2017 Standards."** NSF listed.

39-800 Aegis 30" x 30" grate only

39-805 Stainless Steel Sump, 18" x 18" x 18" with grate

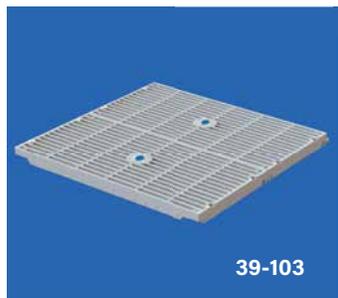
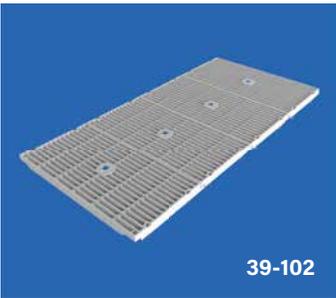
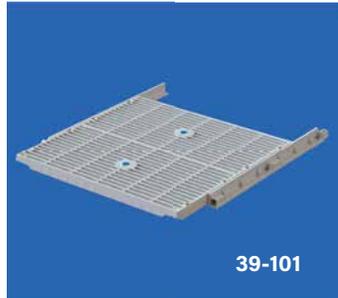
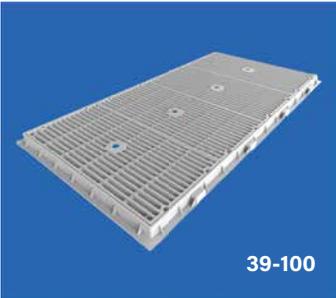
39-810 Stainless Steel Sump, 24" x 24" x 24" with grate



3" SOCKET X 4" SPIGOT SIDE PORT PVC SUMPS — AquaStar's new side port PVC sumps offer 3" socket x 4" spigot side port as well as a 2" socket x 2½" spigot bottom port. Sumps come with 3" and 2" NPT plugs for hassle-free pressure testing and winterizing.

Item	Size	Description	Open Area (Sq. In.)	Flow Rate GPM	
				Floor	Wall
39-455	9"x9"	9" Square Moflow® Outlet Cover with Side Port Sump	358	1674	1674
39-460	12"x12"	12" Square Moflow® Outlet Cover with Side Port Sump	179	837	837
39-465	9"x9"	9" Square Wave Outlet Cover with Side Port Sump	358	1674	1674
39-470	12"x12"	12" Square Wave Outlet Cover with Side Port Sump	179	837	837
39-475	14"x14"	14" Square Suction Outlet Cover with Side Port Sump	358	1674	1674
39-480	16"x16"	16" Square Suction Outlet Cover	179	837	837

MAHC-I COMMERCIAL SERIES GRATES — The MAHC-I Series VGB unblockable drain covers streamline design, installation, and plan approval. The series consists of expandable drain cover kits starting at 18" wide by 36" long. The compact modular frame and grate designs are expandable in 9" increments to create any length of drain cover. MAHC-I unblockable drain covers comply with all current commercial and residential standards and can be installed with a field-fabricated sump or ordered with a fully custom steel sump. They may be used for new construction or replacement, and can retrofit Lawson 18"x36", 18"x54", and 18"x72" drain covers. They have a 10-year lifespan. For more information about AquaStar's custom steel sumps visit www.aquastarpoolproducts.com.



Item	Size	Description	Open Area (Sq. In.)	Flow Rate GPM	
				Floor	Wall
39-100	18"x36"	Four 9"x18" Grates with Expandable Frame for New Construction	358	1674	1674
39-101	18"x18"	Two 9"x18" Expansion Kit with Expandable Frame	179	837	837
39-102	18"x36"	Four 9"x18" Retrofit Grates	358	1674	1674
39-103	18"x18"	Retrofit Expansion Kit	179	837	837

Main Drain Sumps & Fittings



39-580

FIBERGLASS SUMP & GRATES

DALMAX SUMP & GRATE — The Daldorado DalMAX™ series of unblockable sumps and replacement frame and grates are available in 18"x36", 18"x54" and 24"x24". Constructed of fiberglass with grates made from the highest quality PVC that meet or exceed IBC standards. With a large open area of 62% and the highest flow rate in the industry, DalMAX™ is the clear choice for every new commercial pool construction or large area main drain replacement (frame and grate). Floor or wall installation. FRP 3" water stop, 5" from edge of sump continuous around perimeter. Recommended to use a 2" non-separation rope around the sump perimeter. Shipped with removable internal strength support, which remains throughout construction. Can be customized to different piping schematics. Connections can be threaded, flanged or slip couplings. Specify outlet location, depth, port sizes and pipe schedule (Sch. 40 or Sch. 80) when ordering. Color: White. Grates Service Life: 25 Years. Sump Service Life: Life of the Aquatic Facility. **Certified to APSP-16 2017 Standards by IAPMO, and PVC materials complies with NSF/ANSI 50. 25**

39-580

DALMAX SUMP & GRATE

Grate Size	Depth (Inches)	Max Port Size (Inches)	Open Area (Sq. In.)	Flow Rate @ 1.5 fps
24" x 24"	30	10	357	1671
18" x 36"	24	8	401	1880
18" x 36"	25	8	401	1880
18" x 36"	28	10	401	1880
18" x 36"	34	12	401	1880
18" x 54"	24	10	602	2820
18" x 54"	27	10	602	2820
18" x 54"	29	12	602	2820
18" x 54"	34	14	602	2820



39-519



39-590

DALMAX SUMP & GRATE, 12" DEPTH —

This unique 24"x24"x12" deep flat sump is ideal for low flow shallow pools, beach entry and above grade pools. Available with 3", 4" or 6" port sizes. It is certified for a GPM of 1664 floor only, or 1113 GPM @ 1.0 fps. Specify port size, pipe schedule (Sch. 40 or Sch. 80), and if you need the optional 2" female adapter for a hydrostatic relief valve. Color: White. Grates Service Life: 25 Years. Sump Service Life: Life of the Aquatic Facility.

Meets ANSI/ASME A112.19.8- 2007 national standards.

39-590



39-630

PVC VGB SUMPS

SUPERSUMP™ — Includes SuperFlow™ VGB Compliant grate that provides exceptional flow rates. Internal plumbing fittings and built-in water stop with two vertical extensions, prevents water from passing over the flange. Injection molded design with tapered body, for additional strength, allows for water expansion during freeze periods. **"Meets ANSI/APSP/ICC-16 2017 Standards." NSF listed.**

Item	Main Drain Opening Size	Flow Rate (@ 1.5 fps)	
		Floor	Wall
39-620	9" x 9"	261 GPM	248 GPM
39-625	12" x 12"	365 GPM	340 GPM
39-630	18" x 18"	816 GPM	712 GPM

STAINLESS STEEL VGB SUMPS

STAINLESS STEEL VGB SUMPS — Commercial grade stainless steel sump with upper lip around sump perimeter to accept stainless steel anti-entrapment grate. Constructed from Type 304 stainless steel and includes 2" stainless steel full coupling and stainless steel flange for plumbing connection. These sumps and grates are **ASME A.112.19.8M-2007 Approved.**

Item	Main Drain Size (L x W x H)	Flange Size	Flow Rate GPM
39-518	12" x 12" x 14"	4"	223
39-519	18" x 18" x 20"	6"	495
39-520	24" x 24" x 25"	8"	675
39-521	36" x 36" x 30"	10"	975



39-185

HYDROSTATIC RELIEF VALVE

HYDROSTATIC RELIEF VALVE ASSEMBLY

Relieves ground water pressure from damaging pool. Installed in the main drain, which allows ground water to vent into the pool. Includes: cyclac collection tube, brass no-leak flange and brass hydrostatic relief valve. Complete.

39-180 1/2"

39-185 2"



39-190

COLLECTION TUBE — Cyclac.

39-190 1/2" / 2"



39-195

39-200

NO-LEAK FLANGE — Brass.

39-195 1/2"

39-200 2"



39-188

39-205

39-210

HYDROSTATIC RELIEF VALVE

39-205 1/2" Brass

39-210 2" Brass

39-188 1/2" / 2" ABS



39-215

GUTTER DRAINS

ANGLE GUTTER DRAIN — Chrome-plated bronze. 2" FIP connection.

- 39-215 2 $\frac{5}{8}$ " x 5 $\frac{3}{8}$ " — complete
- 39-220 Replacement grill



39-225

39-230

FLUSH GUTTER DRAIN — Chrome-plated bronze. 2" FIP connection.

- 39-225 2 $\frac{7}{16}$ " x 5 $\frac{5}{8}$ " — complete
- 39-230 Replacement grate
- 39-235 2 $\frac{1}{2}$ " x 3 $\frac{3}{16}$ " — complete
- 39-240 Replacement grate



39-250

FLUSH GUTTER DRAIN — ABS, 2" FIP / 2" socket connection.

- 39-250 2 $\frac{3}{4}$ " x 4 $\frac{1}{16}$ " — complete
- 39-255 Replacement grate



40-100

40-085

40-075

VACUUM FITTINGS

CYCOLAC VACUUM FITTINGS — Complete.

- 40-075 1 $\frac{1}{2}$ " FIP x 2" MIP
- 40-080 1 $\frac{1}{2}$ " vacuum fitting plug only

CPB VACUUM FITTINGS — Complete.

- 40-085 For 1 $\frac{1}{2}$ " hose - 2" MIP x 1 $\frac{1}{2}$ " FIP
- 40-095 1 $\frac{1}{2}$ " CPB plug only
- 40-100 2" CPB plug only



40-037

WALL INLET FITTINGS

ADJUSTABLE WALL INLET — Cicolac.
40-037 1 $\frac{1}{2}$ " FIP X 2" MIP



40-050

40-052

NONADJUSTABLE WALL INLET — CPB.
40-052 Repl. cover plate only

ADJUSTABLE WALL INLET — CPB.

- 40-050 2" FIP
- 40-052 Repl. cover plate only



40-060

WALL INLET FITTING — Cicolac with adjustable nozzle orifice sizes.

- 40-055 1 $\frac{1}{4}$ " solvent weld
- 40-060 1 $\frac{1}{2}$ " solvent weld



40-070

EYEBALL WALL INLET FITTING — Cicolac. 1 $\frac{1}{2}$ " solvent weld. Variable direction, $\frac{3}{4}$ " return orifice.

- 40-070



40-072

WALL AND DECK SPOUT — Creates an adjustable water stream from the tile line or deck. Available in a fiberglass model and a Gunite model. Includes: face plates, plumbing adapter, and single and dual stream nozzles. Colors: white, black, or dark gray.

- 40-072 Wall and Deck Spout, Fiberglass
- 40-073 Wall and Deck Spout, Gunite



40-005

40-010

FLOOR INLET FITTINGS

ADJUSTABLE FLOOR INLET — Cicolac fitting with internal threads for pressure testing. Adjustable cover plate with set screw. For floor mounting only. Colors: white, gray, or black.

- 40-005 1 $\frac{1}{2}$ " / 2" solvent weld
- 40-010 Replacement cover plate only
- 40-012 Replacement set screw only



40-020

40-015

ADJUSTABLE FLOOR INLET — CPB.

- 40-015 1 $\frac{1}{2}$ " FIP
- 40-020 Replacement cover plate only



40-035

ADJUSTABLE FLOOR INLET — Cicolac.

- 40-035 1 $\frac{1}{2}$ " FIP x 2" MIP



40-301

40-306

40-300

40-305

VGB EQUALIZER FITTINGS

VGB SUCTION OUTLET COVERS — Used to retro-fit skimmer equalizer lines. 4" dia. - 5.5 sq. in. open area, rated at 24.4 GPM @ 1.5 fps. 6" dia. - 11.4 sq. in. open area, rated at 53.6 GPM @ 1.5 fps. Includes mounting screws. 2" MPT x 1 $\frac{1}{2}$ " slip sumpleless bulkhead fitting ordered separately. Other fitting sizes available - inquire. Color: white

- 40-300 4" dia. VGB suction outlet fitting
- 40-305 6" dia. VGB suction outlet fitting
- 40-301 4" dia. Bulkhead fitting
- 40-306 6" dia. Bulkhead fitting

Skimmers & Tools

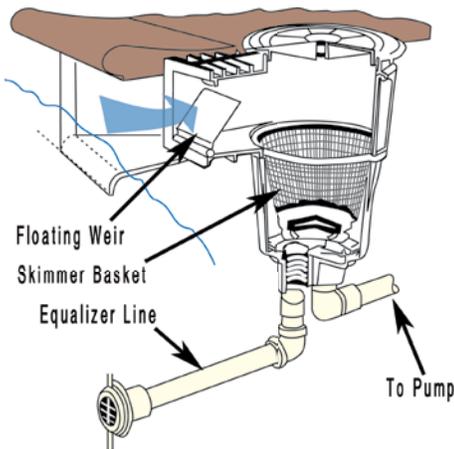


40-155

SURFACE SKIMMERS

AUTOMATIC SURFACE SKIMMER — Swim-quip U-3 trouble free, efficient skimmer with float for low water pump protection. Removes floating leaves and debris from pool surface. Color: white. NSF listed.

40-155 2" slip connection — complete



SKIMMER ACCESSORIES

U-3 SKIMMER PARTS

- 40-160 Skimmer basket
- 40-165 Deck lid (white)
- 40-170 8³/₈" weir
- 40-175 Float valve with diverter and o-ring
- 40-180 1¹/₂" spring check valve
- 40-185 2" spring check valve



SELF-ANCHORING SKIMMER WEIRS

Easy to install. Just position, pull out pins, and it's done. Stainless steel spring-loaded to ensure against slipping from position. Additional sizes to 16" available - inquire.

- 40-195 6"
- 40-200 7"
- 40-205 8"
- 40-210 8³/₈"
- 40-220 9"
- 40-225 10"



40-190

40-230

SKIM-PRO SKIMMER BASKET — Basket tower allows continued water circulation, even as basket fills with debris. Fits Pentair/Swimquip U-3 skimmers and Hayward 1070 Series skimmers. 8¹/₄" basket dia. x 13" high tower.

40-190

CIRCULAR SKIMMER WEIR — Convert U-3 skimmer basket to use circular skimmer weir. Weir adapter snaps onto skimmer basket. Basket ordered separately.

40-230



WINTERIZING PLUGS

GIZMO WINTERIZING PLUGS — Designed to absorb expansion in skimmers due to winter freeze-up. Super New Gizzmo fits deep skimmers and Ultra Gizzmo includes built-in blowout tube for winterizing pool lines. Both Gizzmos are 16" long and have 1¹/₂"/2" tapered pipe threads.

- 40-270 Super New Gizzmo
- 40-275 Ultra Gizzmo



40-110

FILL SPOUTS

FILL SPOUTS — Available in T304 stainless steel or CPB. 18" wide.

- 40-105 1" MIP, stainless steel
- 40-110 1¹/₂" MIP, stainless steel
- 40-115 2" MIP, CPB



40-250

Kit Includes: Hand Knob

Cylinder

Hex Bar

Anchor Extractor

Hardened Stud

Wing Key

Castle Nut

12-24 Tap

5/16 Tap

SERVICE TOOLS

WINGMASTER SERVICE TOOLS

Multi-Tool Service Kit contains specially designed tools for removing seized safety cover anchors (pop-up or threaded style). **Wingmaster Plus Tool** raises and lowers safety cover anchors, removes/installs vacuum fittings, and winterizing plugs. **Wing HydroTool** is accessory to Wingmaster Plus Tool which allows installation/removal of Hayward hydrostatic relief valves and floor inlet fittings. **Wing Jet Key** allows installation/removal of spa jet fittings and pool inlet fittings.

40-250 Multi-Tool Service Kit

40-255 Wingmaster Plus Tool

40-260 Wing Hydro Tool

40-265 Wing Jet Key



40-405

40-255

PIPE SHEARS — Ratcheting PVC pipe shears with replaceable blades. For Sch. 40 or Sch. 80 pipe.

Item	Description	Pipe Size	Repl. Blades
40-400	Pipe Shears	3/4"-1" O.D.	40-415
40-405	Pipe Shears	1 1/4"-1 5/8" O.D.	40-420
40-410	Pipe Shears	1 7/8"-2 1/2" O.D.	40-425



21-025

COMMERCIAL POOL HEATERS

PENTAIR MEGATHERM HEATERS

Commercial pool heaters are available for indoor or outdoor installation, in either natural gas or propane. Includes: Copper-finned heat exchanger, glass-lined cast iron headers, stainless steel burners, operating gas valve/safety regulator, redundant safety gas valve, automatic temperature control, safety high limit, manual shut off valve, manual pilot valve, pressure relief valve, two temperature gauges, integral pump and energy management control system. Spark ignition standard on natural gas models. Standing pilot with electronic pilot supervision and 1 second shut down, standard on propane models. 82% efficiency. When ordering, specify indoor or outdoor installation location, natural gas or propane, and facility altitude. Vent piping on indoor models not included. Other options available at additional cost include: Bronze headers, cupro-nickel heat exchangers, and other special code options. Units installed over 2,000 feet above sea level, must be derated 4% per 1,000 feet above 2,000 feet. Specify State Code Requirements. Limited availability in California. **ASME Certified.**

BTU/Hr. Input	Indoor Heaters	Outdoor Heaters
500,000	21-005	21-003
600,000	21-010	21-008
715,000	21-015	21-013
850,000	21-020	21-018
1,010,000	21-025	21-023
1,200,000	21-030	21-028
1,430,000	21-035	21-033
1,670,000	21-040	21-038
1,825,000	21-045	21-043
2,000,000	21-145	.
2,200,000	.	21-150
2,450,000	21-155	.
2,800,000	.	21-160
3,050,000	21-165	.
3,200,000	.	21-170
3,500,000	21-175	.
3,600,000	.	21-180
4,000,000	.	21-190
4,050,000	21-195	.
4,500,000	21-205	21-210
5,000,000	21-215	.
Cal Code	21-050	21-050



21-720

LOW NOX POOL HEATERS

PENTAIR POWERMAX POOL HEATERS

High performance, energy efficient pool heaters specifically designed for commercial pool and water park applications. 85% efficiency, that exceeds Low NOx emission requirements.

The advanced features of the PowerMax pool heaters include a built-in automatic mixing system that compensates for low water temperature and prevents formation of problematic, corrosive condensation in the heat exchanger. The mixing system includes: automatic 3-way valve, fast acting electronic actuator, factory mounted pump, and controls that monitor all functions of the system operation. Every PowerMax heater also comes standard with a "Backwash Switch" which allows maintenance staff to prepare the heater for a filter backwash by allowing the pump time delay to complete its cycle before shutting down the heater.

The PowerMax automatic bypass and combustion systems are factory preset and no further adjustments are necessary. No orifice or component changes for high altitude installations are required, other than derating performance 2% per 1,000 ft. above sea level. Fan assisted and filtered combustion air, reversible vent and intake air terminals, front panel diagnostics, and reversible gas and water connections allow PowerMax to be installed almost anywhere with minimal effort. Service is simple with quick access panel for igniter replacement, combustion chamber sight glasses on both right and left sides, and dual ignition system. Optional: Cupro-nickel heat exchanger and rack-mounting system, inquire. Specify state code requirements, facility altitude, and whether for indoor or outdoor installation, when ordering. Outdoor heater accessory kits ordered separately. **ASME Certified.**

BTU/Hr. Input	Natural Gas	Propane	Outdoor Kit
500,000	21-700	21-705	21-706
750,000	21-710	21-715	21-716
1,000,000	21-720	21-725	21-726
1,250,000	21-730	21-735	21-736
1,500,000	21-740	21-745	21-746
1,750,000	21-750	21-755	21-756
2,000,000	21-760	21-765	21-766

Your Lincoln Representative can help you properly size your pool/spa heater based on pool size, climatic conditions, altitude, and local codes for emissions. Inquire.



21-560

RAYPAK HI DELTA POOL HEATERS

85% thermal efficiency with sealed combustion chamber and hot surface ignition, with remote sensing. Ultra-low NOx (less than 20 ppm) with bronze headers, cupro-nickel and bronze waterways. Unitherm governor provides condensation free operation. Available in natural gas or propane and can be installed indoors or outdoors, specify. Includes: Cal Code. Easy installation requires only 1" clearance. Units are stackable and require small vent sizes out the top or the back. Vent caps, other options and rack systems also available at additional cost. Contact us for requirements on more than 3,000 feet above sea level. Specify State Code Requirements. **ASME Certified.**

BTU/Hr. Input	Natural Gas	Propane
300,000	21-440	21-445
399,000	21-450	21-455
500,000	21-460	21-465
650,000	21-470	21-475
750,000	21-480	21-485
900,000	21-490	21-495
990,000	21-500	21-505
1,260,000	21-510	21-515
1,530,000	21-520	21-525
1,800,000	21-530	21-535
1,999,000	21-540	.
2,070,000	21-550	21-555
2,340,000	21-560	21-565



21-330



21-420



RAYPAK MVB POOL HEATERS — The MVB pool heater provides installation flexibility, ease-of-commissioning, reliability, and long-term performance. Low NOx heaters that have 83% thermal efficiency. Available in 500 KBTU to 1999 MMBTU sizes. The vertical design allows for the MVB's small footprint, making it the perfect solution for small spaces and retrofit projects. Compact design allows the heaters to fit through a 32" doorway. Cupronickel, finned water tube heat exchanger construction allows for easy maintenance and serviceability. Safety certified for indoor or outdoor installation. Heavy gauge galvanized steel cabinet with UV-resistant powder coated finish to prevent corrosion. Up to 8 units can be installed in a series with interstage delay setting to control heater output. MVB pool heaters operate under Category I or Category III venting. Flue exhaust can be vented vertically or horizontally and induction air can be drawn in from the heater's surrounding air or by direct venting from outside the building. Unit comes standard with 7" LCD Display and is available in natural gas or propane models. Suitable for installation in altitudes up to 10,000 ft., derate above 4,500 ft. Specify state code requirements when ordering. **ASME Certified.**

BTU/Hr. Input	Natural Gas	Propane
500,000	21-620	21-621
750,000	21-625	21-626
1,045,000	21-630	21-631
1,500,000	21-635	21-636
1,999,000	21-640	21-644



21-660

RAYPAK XTHERM POOL HEATERS

Newest generation pool heater from Raypak. Vertical modulating heater offers thermal efficiencies of up to 98%. Installation of an XTherm heater will allow your facility to realize substantial energy savings and will show a short payback time, when compared to your existing heater costs. Ultra low NOx emissions with multiple venting options. XTherm has one of the smallest installed footprints available. Cold water run system protects against condensation in primary heat exchanger. Includes: Cupro-nickel finned tubes, bronze headers, and electronic diagnostic controls. Venting and Cal Code ignition ordered separately. Contact us for requirements on heaters installed above 5,000 ft. All models are indoor/outdoor certified. Available in natural gas or propane. Specify state code requirements. **ASME Certified. Warranty: 1 year bumper-to-bumper, 5 years on cupro-nickel heat exchanger, 10 years on stainless steel condensing heat exchanger.**

BTU/Hr. Input	Natural Gas	Propane
1,000,000	21-650	21-655
1,500,000	21-660	21-665
2,000,000	21-670	21-675
2,500,000	21-671	21-676
3,000,000	21-672	21-677
3,500,000	21-673	21-678
4,000,000	21-674	21-679
Cal Code	21-680	21-680

Your Lincoln Representative can help you properly size your pool/spa heater based on pool size, climate conditions, altitude, and local codes for emissions. Inquire.



INDIRECT POOL HEATERS

RAYPAK PROFESSIONAL XTHERM HEATERS

— New Professional line of factory packaged indirect pool heating systems. Available in 1.0, 1.5 and 2.0 MMBTU sizes. These are factory assembled and plumbed on a prefabricated skid using our ultra-high-efficiency XTherm boilers driving a highly efficient shell and tube heat exchanger. The standard configuration utilizes a highly corrosion resistant Cupro-Nickel exchanger with an option to upgrade to Titanium for the ultimate in corrosion resistance. The indirect heat exchanger keeps the boiler safe from corrosive pool water (low pH or high Chlorine levels) by separating the boiler water from the pool water. The system arrives completely assembled, just connect, fill and flip the switch! No onsite soldering or assembly needed. Easy to install and commission, unit comes standard with a 7" touchscreen display and Raypak's Versa IC® control system. Full diagnostics with history and Modbus RTU BMS port. Economical to vent, unit comes standard with PVC vent connections and limit. Full electronic load tracking with 7:1 turndown. **3 Year Commercial Warranty.**

BTU/Hr. Input	Cupro-Nickel	Titanium
999,000	21-681	21-687
1,500,000	21-682	21-689
1,999,000	21-683	21-688





LOCHINVAR AQUAS COMMERCIAL POOL HEATERS

LOCHINVAR AQUAS 1000-6000 — The AQUAS pool package is constructed with stainless steel modulating condensing boilers that deliver up to 97% thermal efficiency. Low return water temperature from a pool makes for an ideal application. The heat exchanger is sized to maximize the heat transfer of the boiler water to the pool water flowing through the heat exchanger. Higher thermal efficiency reduces your fuel costs. Features Smart System 96.2% thermal efficiency, 20:1 modulating, turnkey, skid mounted packaged pool heater vents up to 100' with Category IV venting. Titanium plate and frame external pool heat exchanger standard. Indoor installation. All models Low Nox and Cal Code compliant. **ASME Certified. 10-year boiler/1 year parts/ 3 year Pool Heat Exchanger Limited Warranty.** Propane models also available.

BTU/Hr. Input	Natural Gas	Weight
1,000,000	21-230	2950
1,250,000	21-231	3100
1,500,000	21-232	3500
2,000,000	21-233	3800

LOCHINVAR AQUAS 250-850 — The AQUAS pool package is constructed with stainless steel modulating condensing boilers that deliver up to 97% thermal efficiency. Low return water temperature from a pool makes for an ideal application. The heat exchanger is sized to maximize the heat transfer of the boiler water to the pool water flowing through the heat exchanger. Higher thermal efficiency reduces your fuel costs. 97% thermal efficiency, 10:1 modulating, turnkey, skid mounted packaged pool heater vents up to 100' with Category IV venting. Features Titanium Plate & Frame Heat Exchanger (400K-850K) & Titanium Shell & Tube Heat Exchanger (285K) Indoor installation. All models Low Nox and Cal Code compliant. **ASME Certified. 10-year boiler/1 year parts/ 3 year Pool Heat Exchanger Limited Warranty.** Propane models also available.

BTU/Hr. Input	Natural Gas	Propane
285,000	21-234	21-240
400,000	21-235	21-241
500,000	21-236	21-242
600,000	21-237	▪
725,000	21-238	▪
850,000	21-239	▪



LOCHINVAR AQUAS OXN402 — The AQUAS OXN402-802 models are specially trimmed for outdoor installation. The jacket is sealed and rated to protect the boiler against the elements. Pump covers, air intake covers and a specially designed vent assembly complete the package to allow for easy installation outdoors. The AQUAS pool package is constructed with stainless steel modulating condensing boilers that deliver up to 97% thermal efficiency. Low return water temperature from a pool makes for an ideal application. The heat exchanger is sized to maximize the heat transfer of the boiler water to the pool water flowing through the heat exchanger. Higher thermal efficiency reduces your fuel costs. **ASME Certified. 10-year boiler/1 year parts/ 3 year Pool Heat Exchanger Limited Warranty. Propane models also available.**

BTU/Hr. Input	Natural Gas	Propane
372,038	21-243	21-248
467,297	21-244	21-249
567,364	21-245	▪
660,423	21-246	▪
773,268	21-247	▪



LOCHINVAR COPPER-FIN II LOW NOX HEATER — The first horizontal chassis, copper-finned tube pool heater to operate with fan-assisted combustion. Now, the Copper-Fin II is even better. Along with high thermal efficiency, gasketless heat exchangers and multiple venting options we have added Lochinvar's exclusive SMART SYSTEM™ control. Eight models from 500,000 to 2,070,000 BTU/hr. input provide you with exceptional products with a long list of new features in addition to the established features that redefined the industry. The Copper-fin² was the first proportional fired, fan assisted pool heater on the market. Every model features a small footprint for easy passage through a 36" door, low NOx – third party tested to less than 20 PPM, Stack Frames that can put twice the BTU/hr. input in the same space and vent diameters up to 8" smaller than conventional atmospheric pool heaters. **ASME Certified. 5 year Limited warranty.**

BTU/Hr. Input	Natural Gas	Propane
500,000	21-900	21-907
650,000	21-901	▪
750,000	21-902	▪
990,000	21-903	▪
1,260,000	21-904	▪
1,440,000	21-905	▪
1,800,000	21-906	▪



LIGHT COMMERCIAL POOL HEATERS LOCHINVAR ENERGYRITE HEATERS

The EnergyRite offers power to guarantee speed heating for any size pool or spa from 150,000 BTU/hr to an industry-maximum 400,000 BTU/hr. Lochinvar's engineering delivers the highest thermal efficiency in its class. It's a combination that provides the industry's fastest heat up time, and uses less energy so homeowners save money every time they heat their pool or spa! Highly efficient copper-finned tube design, time-proven in Lochinvar commercial water heaters and boilers. Also available with Cupro-Nickel tubes and Bronze Header Option. Advanced heat exchanger design with no O-rings, virtually eliminates leaks and failures. Polymer headers, ideal for pool and spa heaters. ASME certified cast iron headers optional with slip-fit or threaded connections. **ASME Certified. 3 year Pool Heat Exchanger Limited Warranty. Propane models also available.**

BTU/Hr. Input	Natural Gas	Propane
150,000	21-263	21-264
199,999	21-252	21-255
250,000	21-253	21-257
300,000	21-267	21-268
399,999	21-254	21-258



21-641

RAYPAK PROFESSIONAL X94 HEATERS

Introducing the Raypak X94 Professional series pool heater, designed specifically for commercial properties such as apartments, condos, hotels, motels, schools, parks, community and high-end private pools. It's also the perfect heater for tough coastal weather conditions where salt air challenges durability. When your reputation is on the line every day, you've got to work smart and come prepared with strength, experience, and the guts to lead the way. In a word, it demands a Raypak Professional series pool heater. Digital, low NOx, condensing pool heater. 399,00 BTU input that produces 94% efficiency with ASME Stainless Steel Marine Grade Heat Exchanger and Stainless Steel headers. Specially engineered for corrosion resistance. Designed for durability and can be installed indoors or outdoors. Requires Cat IV venting: PVC, CPVC, Dura-Vent Polypro, or stainless steel. 2" PVC inlet/outlet connection with 1/2" PVC drain port. Available in natural gas or propane. 115 V/60 Hz power supply. **3 Year Commercial Warranty.**

21-641 399,000 BTU, natural gas
21-642 399,000 BTU, propane



21-795

HIGH EFFICIENCY HEATERS

PENTAIR ETI400 HEATERS — The new ETi™ 400 High-Efficiency Heater brings you the TitanTough Heat Exchanger, the longest-lasting heat exchanger ever built. It's the first direct-fire heat exchanger in the industry with titanium designed to stand up to the harshest water conditions. The TitanTough heat exchanger leads to another first: 96% thermal efficiency, the highest of any pool heater. So, you heat your pool for less and reduce emissions—all in a heater that's ultra quiet in operation and easy to install, both indoors and out.

The job of the heat exchanger is to capture the heat from burning gas and transfer it to your pool's water—the more efficiently, the better. But, the combination of operating heat and pool water chemistry can be tough on exchangers, leading to corrosion and failure. That's why we made the ETi™ 400 High-Efficiency Heater's direct-fire heat exchanger from pure titanium. It provides long life under extreme conditions. 96% thermal efficiency saves more in energy costs than any other pool heater. The ETi™ 400 High-Efficiency Heater pays big dividends by using fully condensing Heat Exchange Technology to put more heat into your pool water and less into its exhaust. That's good for your budget and even better for the environment. The ETi 400 heater operates far more efficiently, with less run time per day. The run-time reduction pays off, especially for larger pools. As the ETi 400 High-Efficiency Heater more effectively adds heat to your pool water, less CO2 is eliminated through the exhaust of the heater. Over a year heating a 75,000 gallon pool, the ETi 400 High Efficiency Heater will produce 9,699 fewer pounds of CO2 than a conventional heater. That's almost equal to preventing the yearly emissions from a typical automobile. **3 Year Commercial Warranty.**

21-795 Pentair ETi 400 High Efficiency Heater
21-796 Indoor Direct Air Intake Kit
21-797 Condensate Neutralizer Kit

Heating Systems



21-070

HAYWARD UNIVERSAL H-SERIES —

The Universal H-Series is an energy efficient, high performance, installation adaptable commitment to the pool service professional. Standard cupro nickel heat exchanger Excellent salt water and chemical corrosion resistance. Exclusive "Totally Managed" cupro nickel heat exchanger water flow. Same water velocity through all tubes for faster heating Patented header by-pass design. Up to 18 percent savings by reducing pump run-time. 2" x 2 1/2" CPVC union plumbing connections. Common union for installation or service, adapts to larger plumbing recommended for greater efficiencies. Low NOx emissions - meets clean air quality standards. Built with a durable cupro nickel heat exchanger, Universal H-Series heaters offer exceptional protection against corrosion and premature failure caused by unbalanced water chemistry, ensuring you get season after season of premium heating performance.

Universal H-Series heaters boast industry-leading hydraulic performance coupled with lightning-fast speed-to-heat capability. In fact, the powerful 500,000 BTU model is the fastest in its class, giving you less time to wait and more time in the water.

Designed with "totally managed" water flow, Universal H-Series heaters save energy (and money) by reducing pump run time. Their low NOx emissions meet air quality standards in all low-NOx areas, so you can rest easy knowing their environmental impact is low. **3 Year Limited Warranty.**

BTU/Hr. Input	Natural Gas	Propane
250,000	21-070	21-085
400,000	21-075	21-090
500,000	21-080	21-095



21-785

STA-RITE MAX-E-THERM POOL HEATERS

Sure, a beautiful pool looks inviting, but its cold water can keep you high and dry. Which is why it pays to have a Max-E-Therm heater. After all, when the water's just right, you maximize the enjoyment of your pool experience. The fast-heating Max-E-Therm heater makes your pool irresistible on cool nights. It also allows you to extend your pool season. Unlike other heaters, the Max-E-Therm heater offers you the latest advances from Sta-Rite®: a rustproof exterior, smart electronics and increased energy efficiency. Whether you're looking for quiet relaxation or wild fun, you'll always enjoy your pool in the warm comfort of a Max-E-Therm heater. High efficiency rating makes the Max-E-Therm heater extremely economical to operate. Specially designed fueling and ignition process permits faster warming of your pool and spa. Easy-to-read, conveniently positioned control panel is simple to program. Dura-Glas® Housing will not corrode and stands tough against harsh weather. If you want that warm-all-over feeling, choose the Sta-Rite Max-E-Therm heater. It's a better choice for a host of reasons. The Eco Select brand identifies our "greenest" and most efficient equipment choices. Max-E-Therm heaters offer best-in-class energy efficiency.* Plus, they are certified for low NOx emissions, making them eco-friendly favorites. **2 Year Limited Warranty.**

BTU/Hr. Input	Natural Gas			Propane	
	Standard	HD	ASME	Standard	ASME
200,000	21-775	21-777	•	21-776	•
333,000	21-780	21-782	•	21-781	•
400,000	21-785	21-787	21-790	21-786	21-791



21-890

JANDY JXI POOL HEATER — Ultra compact design is 38% lighter and uses a 28% smaller footprint than competitor's models. 83- 84% efficiency with Low NOx emissions. VersaFlo By-Pass Kit extends exchanger life when not firing. Not available on ASME heaters. Non-ASME heaters with VersaFlo factory installed by-pass kit receive an industry leading 5-Year standard warranty on the heat exchanger. ASME models are available with robust heat exchanger tubes and corrosion resistant bronze headers to meet the high stresses of commercial installations. **2 Year Limited Warranty.**

BTU/Hr. Input	Natural Gas	Propane	Type
200,000	21-880	21-884	Copper
260,000	21-881	21-885	Copper
399,000	21-882	21-886	Copper
399,000	21-883	21-887	Cupro-Nickel
VersaFlo By-Pass Kit		21-888	
ASME Certified			
260,000	21-890	21-892	Copper
400,000	21-891	21-894	Copper



21-804

ELECTRIC HEATERS

COMPACT ELECTRIC POOL/SPA HEATERS

All stainless tank for long life and corrosion resistance. Features include: flow switch, manual reset hi-limit switch, heavy duty contactor, and element and flow switch "on" lights. 1 1/2" male NPT connections. UL Listed for indoor/outdoor installation.

Voltage	12 KW	15 KW	18 KW
240 volt/1 phase	21-800	21-801	21-802
208 volt/3 phase	21-803	21-804	21-805
240 volt/3 phase	21-806	21-807	21-808
480 volt/3 phase	21-809	21-810	21-811



21-835

COMMERCIAL ELECTRIC POOL/SPA HEATERS

Medium duty pool and spa heaters with built-in flow switch. Operating range: 20-80 GPM. Includes: Incoly heating elements, stainless tank, digital thermostat, manual reset hi-limit switch, flow switch, and element, flow and high temp "on" lights. 24/30 KW units (CPH Series) with 1 1/2" male NPT connections. 36 KW and higher units (PHS Series) have 2" male NPT connections. UL Listed for indoor/outdoor installation.

CPH SERIES

Voltage	24 KW	30 KW
240 volt/1 phase	21-820	21-821
208 volt/3 phase	21-822	21-823
240 volt/3 phase	21-824	21-825
480 volt/3 phase	21-826	21-827

PHS SERIES

Voltage	36 KW	45 KW	54 KW	57 KW
240V/1 phase	21-830	21-831	21-832	21-833
208V/3 phase	21-834	21-835	21-836	21-837
240V/3 phase	21-838	21-839	21-840	21-841
480V/3 phase	21-842	21-843	21-844	21-845

Electric Spa Heater Sizing:

$$\text{KW required} = \frac{\text{Gallonage} \times 8.3 \text{ lbs./gal.} \times \text{TEMP rise (in } ^\circ\text{F/Hr.)}}{3413}$$

Electric Pool Heater Sizing:

$$\text{KW required} = \frac{\text{Surface Area} \times \text{TEMP differential (} ^\circ\text{F)} \times 12}{3413}$$

Heat Loss Factor:

For use in electrical pool heater sizing formula above.
12 = outdoor pool or 10 = indoor pool



21-925

CORROSION MONITOR

PROMINENT LOGR CORROSION MONITOR

Single channel corrosion rate monitor that uses Linear Polarization Resistance (LPR) to measure the corrosion rate of metals. Readings are taken every 2.5 minutes giving accurate corrosion rates instantly. Stores up to one year of log data. Includes: monitor, sensor, 3/4" "T" fitting, wall mounting bracket, and 110VAC/24 VDC power adapter.

- 21-925 Cupro-nickel sensor package
- 21-930 Copper sensor package
- 21-935 Admiralty sensor package
- 21-940 Carbon steel sensor package
- 21-945 Zinc sensor package



21-305

PORTABLE AERATION SYSTEM

WATERCANNON AERATION SYSTEMS

Reduces summertime pool water temperature 15-20°. Portable water feature makes your facility fun and relaxing. Improves water quality and safety. Units include: GFCI, 50 ft. cord, safe triple suction assembly, and sprayer arm assembly with chrome/brass adjustable nozzles. Available in: 1 1/2 HP (115 volt/20 amp/single phase/110 GPM) and 3 HP (230 volt/20 amp/single phase/160 GPM) models. 50Hz/60Hz. 3 HP unit comes with stainless steel cart.

- 21-303 Watercannon 1.5
- 21-305 Watercannon 3



21-115



21-125

21-120

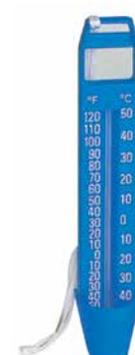
IN-LINE THERMOMETERS

IN-LINE THERMOMETERS — 7" aluminum case in-line thermometer that allows you to check circulation line temperatures. Scale range 30-240° F. 3/2" separable brass socket allows for removal of thermometer without leakage. Available in vari-angle for quick adjustment to all angles, straight form stationary, or angle form stationary.

- 21-115 Vari-angle
- 21-120 Straight form stationary
- 21-125 Angle form stationary



21-132



21-131



21-135

WATER THERMOMETERS

PENTAIR E-Z READ THERMOMETER

The E-z read combo thermometer can be used as a sink or float thermometer. ABS construction with shatterproof lens. Includes snap on/off floatation top and 36" rope leash with anchor plate.

- 21-132

ECONOMY THERMOMETER — 10" long plastic case thermometer with 12" lanyard.

- 21-131

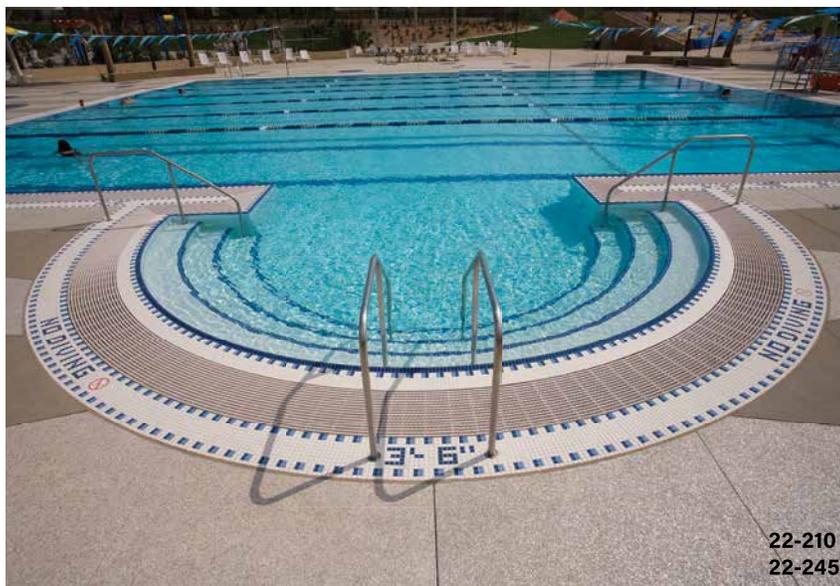
DELUXE THERMOMETER — 7" long solid brass thermometer with chrome finish, magnifying plastic lens, and 36" lanyard.

- 21-135

SKIMMER LID THERMOMETER — Round skimmer lid with built-in 3" diameter thermometer. Specify skimmer manufacturer when ordering.

- 21-140

Grating Systems



22-210
22-245

PARALLEL PVC GRATING SYSTEMS

LAWSON QUIET-FLOW® PARALLEL GRATING
Designed to capture water quickly and reduce the noise of commercial gutters. Can be fitted to any free-form design. SuperGrip™ non-slip surface. Quiet-Flow® equals faster water for competition pools and reduces gutter width requirements. ASTM Tested for friction and loads. Parallel, 45° and 90° inside or outside corners available in 1" increments (6" - 18") - inquire. Complies with ADA regulations. Standard Colors: white, bone or gray. **10 Year Warranty.**

Straight Grating			Radius Grating		
Item	Width	Length	Item	Width	Length
22-200	6"	1'	22-235	6"	24"
22-205	8"	1'	22-240	8"	24"
22-210	10"	1'	22-245	10"	24"
22-215	12"	1'	22-250	12"	24"
22-220	14"	1'	22-255	14"	24"
22-225	16"	1'	22-260	16"	24"
22-230	18"	1'	22-265	18"	24"



22-245

PERPENDICULAR PVC GRATING SYSTEMS

LAWSON SUPERGRIP™ PERPENDICULAR GRATING
Perpendicular style grating available in widths from 4" to 20". Made from high grade UV-stabilized, outdoor quality PVC, these grates comply with all ASTM load and deflection requirement. SuperGrip™ non-slip pattern design. Completely modular with interlocking stainless steel hardware. Perpendicular, 45° and 90° inside or outside corners available in 1" increments (4" - 20") - inquire. Complies with ADA regulations. Standard Colors: white, bone or gray. **10 Year Warranty.**

Item	Grating Length	Style	Surface Width
22-003	4"	T	5/8"
22-004	6"	T	5/8"
22-006	8"	T	5/8"
22-007	10"	T	5/8"
22-008	12"	T	5/8"
22-009	14"	I	3/4"
22-010	16"	I	3/4"
22-011	18"	I	3/4"
22-012	20"	I	3/4"
22-015	Custom mitered corners		



22-006

PVC GRATING ACCESSORIES

STAINLESS STEEL HOLD DOWN CLIPS — Stainless steel hold down clips to safely anchor grating. Fasten grates every 2 ft. alternating sides. Pkg. of 50 clips.

22-013 Perpendicular grate fasteners (per 100 ft.)

22-280 Parallel grate fasteners, straight (per 100 ft.)

22-285 Parallel grate fasteners, radius (per 50 ft.)

HAND HOLD BRACKET — Fits PVC grating. Specify color: white or bone.

22-014

HEAVY DUTY CURB ANGLE — For use with PVC grating installations. Available "without tail" when anchored into place or "with tail" when formed into deck. 10' sections. Colors: white or bone.

22-016 Heavy duty curb angle - without tail

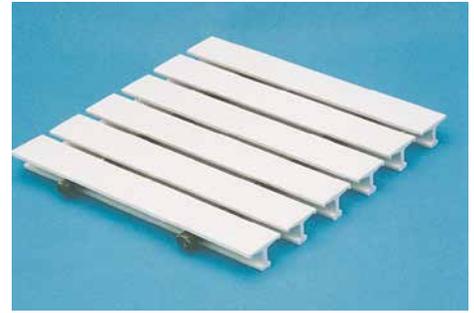
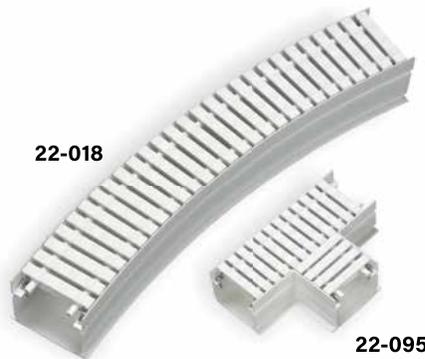
22-001 Heavy duty curb angle - with tail



PVC DECK DRAINING SYSTEM

LAWSON DRAIN-THE-DECK™ SYSTEM — A system of PVC components: deck drain, base and sleeves which are designed to offer a generous 25% open space for water flow for the quickest, most efficient handling of excess water flow from rain or deck cleaning. All grates are completely modular and interlocking, making them extremely simple to install or replace, yet strong enough for pedestrians and light vehicle traffic. Drain-the-Deck™ complies with federal ADA regulations. It's the ONLY drain system that can truly radius to any pool or fountain design without cutting or mitering. ASTM Tested for loads and friction. Deck Drain package available in 10 foot lengths and priced per foot. Standard Colors: white, bone or gray. Radius Deck Drains also available, inquire. **10 Year Warranty.**

Item	Description
22-018	Deck Drain Package with grate, per ft.
22-075	Deck Drain 90° inside corner
22-080	Deck Drain 45° inside corner
22-085	Deck Drain Down Adapter, 2" connection
22-090	Deck Drain Down Adapter, 3" connection
22-095	Deck Drain "T" section
22-100	Deck Drain End Adapter
22-105	Deck Drain Custom mitered corners
22-110	Deck Drain Connector sleeve



22-035

FIBERGLASS GRATING SYSTEM

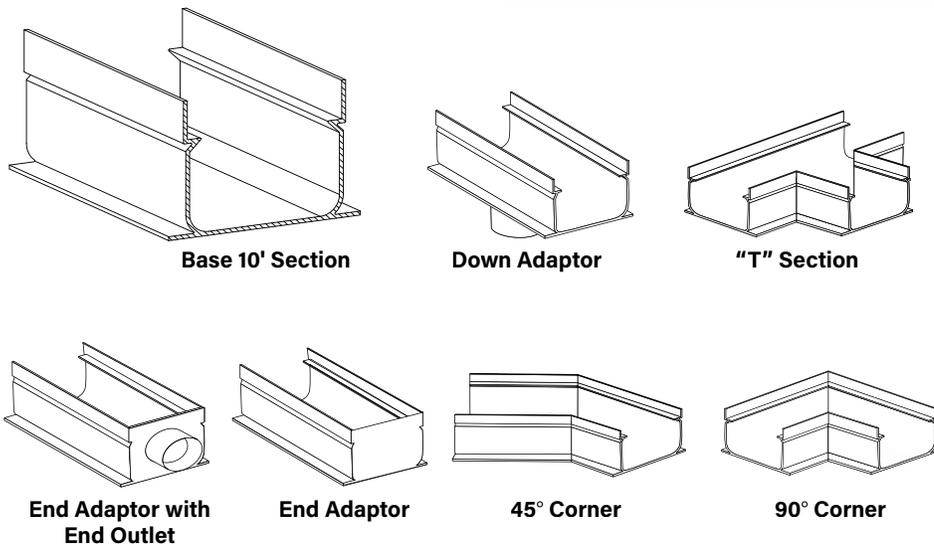
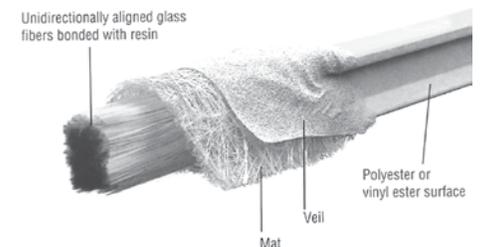
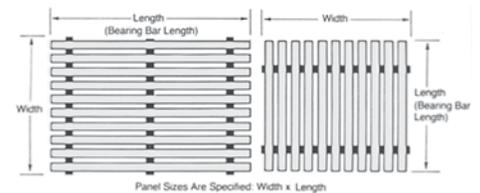
FIBERGLASS GRATING SYSTEM — 100% corrosion-resistant grating system that can be used for safety grates over filter pits, sumps, trenches, or gutters. Can also be used as a perimeter trench drain cover. The grating is made of "pultruded" fiberglass, which consists of densely packed glass fibers wrapped by a continuous glass mat. The densely packed core makes the grating stronger than steel in both longitudinal flexible strength and impact strength. The anti-skid top consists of a permanently bonded quartz grit, with UV stabilized polyurethane top coat. Available in 1" thick "T" bar and "I" bar styles. "T" bar grating has 18% open area and "I" bar grating has 40% open area. Available with cross-rods placed 6" or 12" on center. Specify required bearing bar direction. Each panel listed below is 12" x 120". Stainless steel hold down insert clips and socket head bolt assemblies ordered separately. The structure of the grating system allows the panels to be cut and fabricated like a solid sheet. Custom grates to meet your requirements are also available. Color: white.

T-1800 "T" Bar Grating

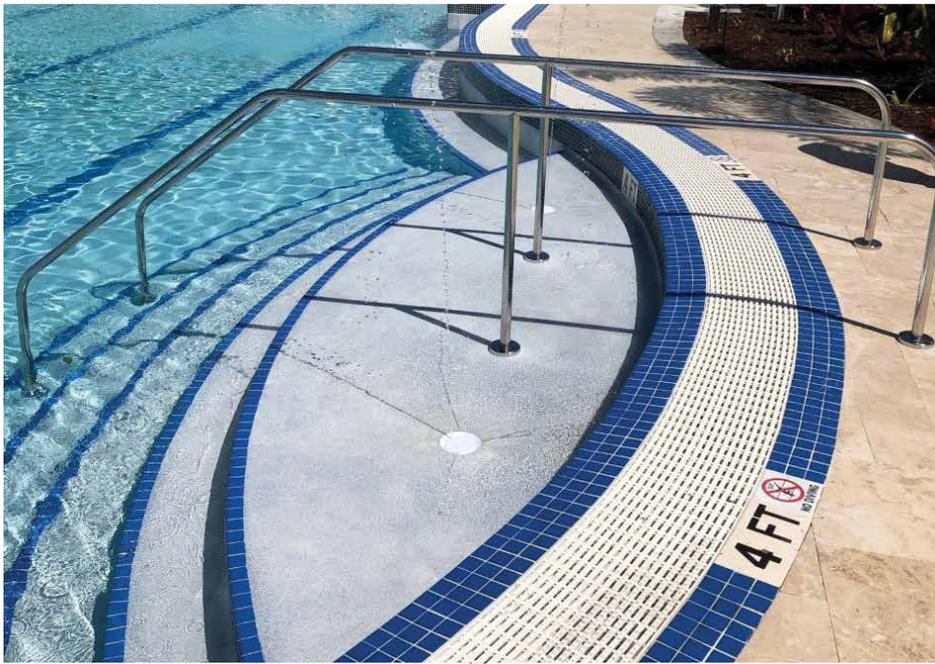
- 22-035 Cross rods @ 6"
- 22-040 Cross rods @ 12"
- 22-042 T-1800 Custom Grating
- 22-045 T-1800 insert clip
- 22-050 Bolt assembly

I-4000 "I" Bar Grating

- 22-055 Cross rods @ 6"
- 22-060 Cross rods @ 12"
- 22-062 I-4000 Custom Grating
- 22-065 I-4000 insert clip
- 22-070 Bolt assembly



Grating Systems



DALDORADO PARALLEL GRATE — Daldorado's SILENTFlow™ commercial pool grating system is the next evolution in parallel grating. All grating features the highest flow rate with 40% open area and whisper-quiet noise reduction. Available in standard 10", 12", 14" and 16" widths. Our parallel grating conforms to both radius and straight configurations. Hand holds and curb angles available for true ledge support (radius or straight). All corners are custom manufactured and strengthened for inside-outside corners per design requirements. Daldorado's SILENTFlow™ parallel grating has been engineered to make installation so easy you will want to install it on all your pools. No more expansion issues or buckling. Added truss support combined with using the highest quality materials allows for superior strength (excess of 4,000 lbs). Custom 90 degree and 45 degree corners are available for parallel grating, straight and radius. Request quotation. Available in 3 colors: white, bone, or gray. **10 Year Warranty.**



- 22-310** Parallel grate, 12"
- 22-311** Parallel grate, 14"
- 22-312** Parallel grate, 16"
- 22-313** Parallel radius grate, 10"
- 22-314** Parallel radius grate, 12"
- 22-315** Parallel radius grate, 14"
- 22-316** Parallel radius grate, 16"
- 22-317** Fastening set large

DALDORADO PERIMETER GRATING
DALDORADO PERPENDICULAR GRATE — Perpendicular grating is by far the most popular for deck-drain gutter systems. But did you know that the IBC standard for Child Finger and Toe Entanglement requires a gap opening of no more than 8mm? Available in standard 12", 14" and 16" widths. Our perpendicular grating conforms to both radius and straight configurations. Hand holds and curb angles available for true ledge support (radius or straight). Easy and worry-free installation. All corners are custom manufactured and strengthened for inside-outside corners per design requirements. Available in 3 colors: white, bone, or gray. **10 Year Warranty.**

- 22-301** Perpendicular grate, 12"
- 22-302** Perpendicular grate, 14"
- 22-303** Perpendicular grate, 16"
- 22-304** 12" outside corner
- 22-305** 14" outside corner
- 22-306** 16" outside corner
- 22-307** No tail curb angle
- 22-308** Hand hold
- 22-309** Fastening set



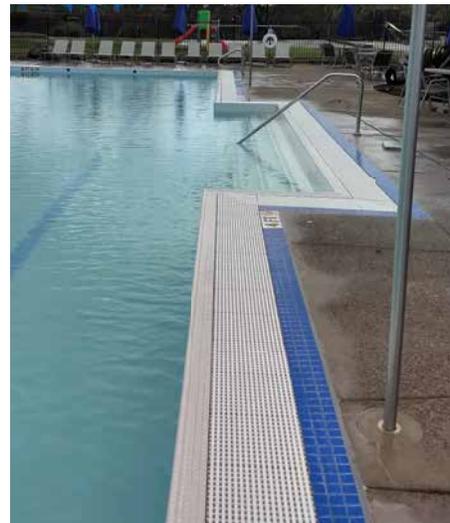
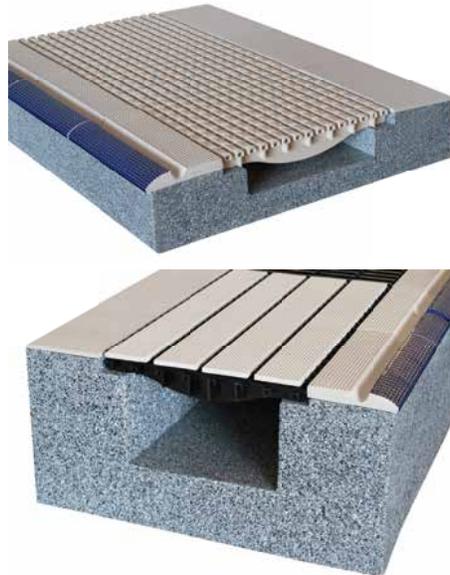
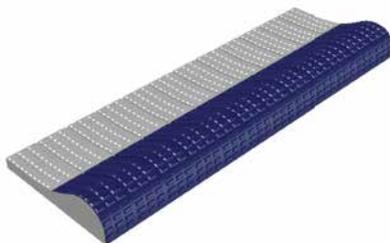


DalLUX™ PERIMETER PORCELAIN TILE — Superior 100% porcelain material, which is harder and more resistant to impact. The porcelain surface is rated at only .03% water absorption, which makes the DalLux tile excellent for freeze locations. Suitable for interior and exterior applications. Manufactured in Turkey since 1987, with a proven record of quality that conforms to all International Standards. DalLux Porcelain Tile is Wet Slip tested and Anti-Slip tested by NATA. DalLux Finger Grip and Hand Grip Tile Colors: solid cobalt, cobalt/white, cobalt/bone, or black/white. **10 Year Warranty.**

- 22-320** DalLux Tile, 3"x 12"
- 22-321** DalLux Tile, 4"x 12"
- 22-322** DalLux Tile, 6"x 12"
- 22-323** DalLux Finger Grip Tile, 5"x 9"
- 22-324** Anti-Slip Back Beam Tile, 5"x 9"

DalLUX™ SUPPORT GRATING — DalLUX™ Porcelain Tile can be used with our exclusive Stone/Tile Support System (STS). DalLux Support Grating is 12" x 12" with 2" wide supports, with custom mitered corners which are engineered for high load capacity. Available in two water drop-in options- 4 opening or 5 opening. DalLux Porcelain Tile and the DalLux Support Grating can also be used with Daldorado Parallel Straight and Parallel Radius Grating. **10 Year Warranty.**

- 22-325** Support Grating- 4 Openings
- 22-326** Support Grating- 5 Openings



CAPSURE DECK DRAIN SYSTEM — The CapSure Deck Drain System has a 40% open area and meets or exceeds EN & AS Standards, for finger and toe entrapment, with only an 8 mm gap opening. Available in 8 ft. long straight or 7 ft. long radius versions. Gray heavy-duty base includes throw-away cap, to keep its form when pouring and setting concrete. Available in 2" depth for above grade or indoor use and in standard 4" depth. 12" x 12" Drop-Out Box is customizable with up to 3 ports per box, includes grating top, 90 degree corners, "T" sections, bottom outlets, and EPDM joiners ordered separately. Grating Colors: white, bone, or gray. **10 Year Warranty.**

Item	Style	Length	Depth
22-330	Straight	8 ft.	4"
22-331	Straight	8 ft.	2"
22-332	Radius	7 ft.	4"
22-333	Radius	7 ft.	2"
22-334	Deck Drain Drop Out Box, 12"x 12"		
22-335	Deck Drain 90 Degree Corner		
22-336	Deck Drain "T" Section		
22-337	Deck Drain Bottom Outlet		
22-338	Deck Drain EPDM Joiner		





Palintest Pooltest 25 Bluetooth
23-101

PALINTEST PHOTOMETER TEST KITS

Water testing provides a pivotal role in ensuring that your pool or spa water is kept at its best. The Palintest method of testing is unparalleled in accuracy compared to traditional test kits. Palintest test kits feature photometer technology with digital electronics.

The Palintest Photometer is used to measure color formed in the test sample solution. Light from the photometer is passed through the sample, then through an optical filter into a photocell. The photometer will display the test result with a digital readout. Uses Palintest tablet reagents for rapid and reliable results.

PALINTEST PROFESSIONAL PHOTOMETERS

PALINTEST POOLTEST 25 AND POOLTEST 10 SERIES WATERPROOF PHOTOMETERS

Meters are designed for the commercial pool operator looking for a comprehensive collection of the most common water test used in an all-in-one unit. Features include: Bluetooth communication, extended chlorine reading and a direct reading with large backlit display for ease of use and Langelier Saturation Index. Stores test results on its internal memory and you can transfer them to a PC database with USB computer connection. Memory storage: Palintest 25 (up to 1,000 tests) and Palintest 10 (up to 500 tests). Both units include: hard carrying case, glass test tubes and reagents. Check standards help ensure your meter is calibrated and reading accurately.



Palintest Pooltest 10 Bluetooth 23-118

PALINTEST POOLTEST 25 PHOTOMETER

Description	Item
Pooltest 25	23-101
Pooltest 25 & 10 Check Stds.	23-102

PALINTEST POOLTEST 10 PHOTOMETER

Description	Item
Pooltest 10	23-118
Pooltest 25 & 10 Check Stds.	23-102

PALINTEST POOLTEST 25 & 10 TEST RANGES AND REPLACEMENT TABLETS

Test	Range	Replacement Tablets	
		50 tests	250 tests
Tests Included Palintest 25 and 10 Kits			
Free Chlorine	0-5 ppm	25-650	25-655
Total Chlorine	0-10 ppm	25-660	25-665
Ext. Free Chlorine	0-10 ppm	25-810	25-815
Ext. Total Chlorine	0-10 ppm	25-820	25-825
pH	6.5-8.5	25-670	25-675
Cyanuric Acid	2-200 ppm	25-680	25-685
Bromine	.04-10 ppm	25-690	25-695
Alkalinity	10-500 ppm	25-700	25-705
Cal. Hardness	5-500 ppm	25-710	25-715
Total Hardness	5-500 ppm	25-800	25-805
Iron LR	.01-1 ppm	.	25-725
Ozone	.01-2 ppm	25-770	25-775
Manganese High Range	.01-5 ppm	25-845	25-850
Sulfate	5-200 ppm	25-855	25-860
Hydrogen Peroxide	1-100 ppm	25-865	25-870
Additional Tests Included In Palintest 25 Kit			
HR Chlorine	1-250 ppm	25-780	25-785
Salt	0-10,000 ppm	25-730	25-735
Chloride	10-500 ppm	25-730	25-735
TDS	0-10,000 ppm	by sensor	
PHMB	2-100 ppm	25-740	25-745
Free Copper	.03-5 ppm	.	25-755
Total Copper	.03-5 ppm	25-760	25-765
Phosphates	.03-4 ppm	25-830	.
Nitrate	.02-20 ppm	25-875	.
Aluminum	.02-0.5 ppm	25-880	25-885
Ammonia	.01-1.0 ppm	25-890	25-895



23-136

23-121

PALINTEST HAND-HELD PHOTOMETERS

PALINTEST LUMISO POOLTEST PHOTOMETERS

Hand held photometer with backlit display is easy to operate and delivers accurate results. You can view the data log or use the USB to manage your data on your PC. Lumiso 3 kit- tests for chlorine, pH, and cyanuric acid. The Lumiso 6 kit- adds bromine, calcium hardness, and alkalinity tests. Lumiso kits are waterproof and packaged in a hard carrying case that includes all necessary reagents and accessories. Check standards for calibrating your photometer ordered separately.

PALINTEST POOLTEST 6 PHOTOMETER

Description	Item
Lumiso Pooltest 6	23-121
Palintest 6 & 3 Check Standards	23-147

PALINTEST POOLTEST 3 PHOTOMETER

Description	Item
Palintest Pooltest 3 Photometer	23-136
Palintest 6 & 3 Check Standards	23-147

PALINTEST POOLTEST 6 & 3 TEST RANGES AND REPLACEMENT TABLETS

Test	Range	Replacement Tablets	
		50 tests	250 tests
Tests Included in Palintest Lumiso 6 & 3 Kits			
Ext. Free Chlorine	0-10 ppm	25-810	25-815
Ext. Total Chlorine	0-10 ppm	25-820	25-825
pH	6.8-8.5	25-670	25-675
Cyanuric Acid	2-200 ppm	25-680	25-685
Add. Tests Included In Palintest Lumiso 6 Kit			
Bromine	.04-10 ppm	25-690	25-695
Alkalinity	10-500 ppm	25-700	25-705
Cal. Hardness	5-500 ppm	25-710	25-715

PALINTEST REPLACEMENT PARTS

- For all Palintest photometers.
- 23-150** Palintest 25 & 10 Glass test tubes, pkg. of 5
 - 23-151** Lumiso 6 & 3 Glass test tubes, pkg. of 5
 - 23-155** Dilution tube, plastic
 - 23-160** Crushing/stirring rods, pkg. of 10



23-035



23-040



23-047

TAYLOR COMPLETE TEST KITS

TAYLOR 2000 SERIES TEST KITS — The 2000 Series test kits are designed for comprehensive, routine testing performed by commercial public pool operators and health department inspectors. Tests include: free chlorine, combined chlorine (or total bromine), pH with acid/base demand, total alkalinity, calcium hardness, and cyanuric acid. Salt kits include a test for sodium chloride. **DPD test kits** determine free and total chlorine using a colorimetric method, and **FAS-DPD kits** determine free and combined chlorine using a titration method. **Complete kits** include .75 oz. reagents and the **Service Complete kits** include 2 oz. reagents. Kits are available in an English or a Spanish version. Most of the popular kits are now **NSF Certified**.

2000 SERIES DPD TEST KITS

Description	English	Spanish
Complete (.75 oz. reagents)	23-035	23-034
Complete (.75 oz. reagents) with Salt Test	23-057	*
Service Complete (2 oz. reagents)	23-040	23-039
Service Complete (2 oz. reagents) with Salt Test	23-049	*

2000 SERIES FAS-DPD TEST KITS

Description	English	Spanish
Complete (.75 oz. reagents)	23-041	23-053
Complete (.75 oz. reagents) with Bromine Test	23-042	*
Complete (.75 oz. reagents) with Salt Test	23-058	*
Service Complete (2 oz. reagents)	23-043	*
Service Complete (2 oz. reagents) with Salt Test	23-052	*

**TAYLOR COMPLETE TEST KITS
TAYLOR POOL INSPECTOR TEST KITS**

Two test kits designed for use by Environmental Health Professionals. The **FAS-DPD** version will permit detection of combined chlorine as low as 0.2 ppm and includes tests free and combined chlorine, pH, and cyanuric acid. The **DPD** version is available with .75 oz. reagents or the larger 2 oz. reagents and includes tests free & total chlorine, total bromine, pH, and cyanuric acid. These kits include four additional bottles of cyanuric acid reagent to accommodate high-volume testing needs. **NSF Certified**.

- 23-047 Pool Inspector Kit- DPD .75 oz
- 23-048 Pool Inspector Kit- DPD 2 oz
- 23-044 Pool Inspector Kit- FAS-DPD .75 oz



23-032

**DAYLIGHT TESTING LAMP
TAYLOR POOL DAYLIGHT LAMP** —

Source for simulated daylight needed for accurate color matching of water test results. Daylight comparator lamp with adapter and Lightbox stand for lamp ordered separately.

- 23-031 Taylor Daylight Lamp with adapter
- 23-032 Taylor Lightbox stand



23-041



23-043

Test Kits



TAYLOR COMPARATOR TEST KITS

TAYLOR PROFESSIONAL TEST KITS

These kits use accurate liquid-to-liquid colorimetric testing slides with 9 liquid color standards, for optimum color matching accuracy. Taylor Professional Complete Test Kit includes: 5 slide comparators- low Chlorine (0.0- 3.0 ppm), high Chlorine (1.0- 10.0 ppm), pH with acid/base demand (6.8- 8.4), Copper (0.0- 3.0 ppm), and Iron (0.0- 2.0 ppm), plus drop tests for Total Alkalinity, Calcium Hardness, and Cyanuric Acid (20- 100 ppm). Taylor Professional Test Kit includes: : 3 slide comparators- low Chlorine (0.0- 3.0 ppm), high Chlorine (1.0- 10.0 ppm), pH with acid/base demand (6.8- 8.4), plus drop tests for Total Alkalinity, Calcium Hardness, and Cyanuric Acid (20- 100 ppm).

- 23-005** Taylor Professional Kit
- 23-015** Taylor Professional



23-025

TAYLOR COMMERCIAL TEST KIT — DPD slide comparator based test kit includes 2 slides: low chlorine (0.0-3.0 ppm) and pH (6.8-8.4). Uses 2 oz. reagents.

23-025



23-050

TAYLOR SPECIALITY TEST KITS

TAYLOR FAS-DPD TEST KITS — Sanitizer only titration based test kit provides laboratory accuracy at an economical price. Distinct color change signals end test results. Also helpful when higher levels of sanitizer are present. Available in Chlorine or Bromine Test Kit. Uses .75 oz. or 2 oz. reagents.

- 23-050** Chlorine FAS-DPD, .75 oz.
- 23-051** Chlorine FAS-DPD, 2 oz.
- 23-055** Bromine FAS-DPD, .75 oz.
- 23-056** Bromine FAS-DPD, 2 oz.



23-045

TAYLOR STARTER TEST KIT — Basic Starter Test Kit includes: tests for free, combined and total chlorine, and pH with acid/base demand. Uses .75 oz. reagents.

23-045



23-065

TAYLOR MONOPERSULFATE TEST KIT Drop test for accurate reading of free and combined chlorine when monopersulfates are being used. With the use of this test kit you will eliminate false readings off of your standard test kit. This test should be used for 18 hours after monopersulfates have been added to your pool. Uses 2 oz. reagents.

23-065



23-070

TAYLOR TOTAL ALKALINITY TEST KIT Drop test kit for total alkalinity. Uses .75 oz. size reagents.

23-070



23-075

TAYLOR TOTAL HARDNESS TEST KIT Drop test kit for total hardness. Uses 2 oz. size reagents.

23-075



23-076

TAYLOR TDS TEST KIT — Drop test kit helps in determining total dissolved solids that are present in your pool water. Uses 2 oz. reagents. 1 drop = 50 ppm.

23-076



24-083

PHOSPHATE TEST KIT — Colormetric test kit helps identify phosphate levels present in your pool water. Range 0-1000 ppm.

24-083



23-090



23-095

TAYLOR COLORIMETER

TAYLOR TTI 2000 TEST KIT — The TTI® 2000 Colorimeter (M-2000) for testing pools and spas can be used to monitor more than a dozen parameters. User-friendly features include the ability to create your own menus of favorite tests, adjustable backlighting on the large liquid crystal display, and an auto-read function on the test timer, so you never miss seeing a result because you got preoccupied with other tasks. Unlike competing models, our meters come with data interface software, an AC power adapter, a USB cable, and all other essentials. The meter also offers free lifetime software upgrades as new tests are developed. Carry case is additional cost. Optional accessories include: a hard polyethylene carrying case, that is waterproof and lockable, to hold the colorimeter and check standards and an Accuracy Check Kit, with five standards to verify kit performance.

Five-year warranty with tech support.

- 23-090 Taylor TTI 2000 Colorimeter without case
- 23-095 Taylor TTI 2000 Hard Carrying Case
- 23-096 Taylor TTI 2000 Colorimeter Accuracy Check Kit

COLORIMETER REAGENT PACKS

Item	Test	Range(s)
25-930	Alkalinity, Total	0-250 ppm CaCO ₃
25-931	Biguanide	*0-70 ppm PHMB
25-932	Bromine, Total	0-10.0 ppm or 0-20.0 Br ₂
25-933	Chlorine, Free & Total	0-4.00 ppm, 0-8.0 ppm, 0-10.0 ppm (uses DPD/P)
25-934	Copper	0-3.00 ppm Cu
25-935	Copper, Total	0-4.5 ppm Cu
25-936	Cyanuric Acid	7-120 ppm CYA
25-937	Hardness, Calcium	0-800 ppm CaCO ₃
25-938	Hardness, Total	0-500 ppm CaCO ₃ ; includes a test for NaCl for pools/spas that utilize salt systems to produce chlorine
25-939	Hydrogen Peroxide (biguanide shock)	0-2.00 ppm H ₂ O ₂ ; by dilution: 2-20 ppm, 20-100 ppm, or 100-125 ppm H ₂ O ₂
25-940	Iron	0-4.00 ppm Fe
25-941	Iron, Total	0-3.00 ppm Fe
25-942	Maganese	0-0.80 ppm Mn
25-943	Monopersulfate (oxidizing shock)	0-10.0 ppm Cl ₂ (uses DPD/P)
25-944	Nitrate	0-44 ppm NO ₃ ⁻
25-945	pH	6.50-8.50
25-946	pH (with Acid & Base Demand)	6.50-8.50
25-947	pH	7.5-9.5
25-948	pH	9.5-11.5
25-949	Phosphate	0-3.00 ppm (20-3000 ppb) PO ₄ ³⁻
25-950	Sodium Chloride (salt)	0-80 ppm NaCl; by dilution: 75-150 ppm, 150-500 ppm, 500-2000 ppm, or 2000-8000 ppm NaCl



24-100

SPECIALTY TEST KITS

TOTAL DISSOLVED SOLIDS METER — Used to tell when the accumulated chemicals dissolved in the water will begin to interfere with the overall operation of the equipment and bather comfort. Range: 0-5000 ppm TDS. Reagents sold separately.

- 24-100 TDS meter, 0-5000 ppm
- 25-620 Taylor Deionized Water, 2 oz.
- 25-625 Taylor TDS Solution, 2 oz.



23-080

CYANURIC ACID TEST KIT — For reading the level of stabilizer or conditioner in pool water by means of a turbidity chart. Range 0 to 100 ppm. Comes with 8 oz. of test reagent.

- 23-080
- 25-281 Repl. Cyanuric Acid Reag., 16 oz.
- 25-282 Repl. Cyanuric Acid Reag., 1 quart



24-020

LAMOTTE COMPARATOR TEST KITS

LAMOTTE POOL MANAGER TEST KIT Precise and easy to use with a wide test range for chlorine. Uses LaMotte Test Tablets. Reagent refill is a complete set of reagents identical to those furnished with the original kit.

- 24-020 Pool Manager Test Kit
- 24-024 Repl. OctaSlide Test Tube, 10 ml
- 24-035 OctaSlide2 Viewer
- 24-050 Chlorine OctaSlide2 (.5-10.0 ppm)
- 24-051 pH OctaSlide2 (6.6- 8.2 ppm)

POOL MANAGER TEST KIT RANGES

Test	Range	# of Tests
Free Chlorine	0.5 - 10.0 ppm	50
Total Chlorine	0.5 - 10.0 ppm	50
pH	6.8 - 8.2 ppm	50
Total Alkalinity	60 - 400 ppm	20
Calcium Hardness	60 - 400 ppm	20
Acid Demand	•	Calculated from Alk. Test
Cyanuric Acid	0 - 100 ppm	20

LAMOTTE



LAMOTTE WATERLINK WATERLINK SPINTOUCH KIT— The innovative WaterLink® Spin Touch® photometer does all your pool and spa water testing for you. Each sealed reagent disk contains the precise amount of reagent needed to run a complete series of 10 tests. Just fill one unique Spin reagent disk with less than 3 mL of water and all your vital tests are done automatically—in just 60 seconds! Pool operators can achieve precision testing results without time consuming test and clean-up procedures. This ground-breaking analysis system is so simple anyone can use it! No vials to fill, no prep time, no guessing! Automatically stores test dates, times, and results. Includes photometer, meter calibration check disk, USB cord/wall adapter, and waterproof carrying case. **NSF 50 Certified.**

- 24-001** Spin Touch w/ Carrying Case
- 24-002** Commercial Spin Touch w/ Case

Test	Range	ColorQ 2X PRO 9-Plus				
		25-900	25-905	25-910	25-915	25-920
Free Chlorine	0 - 15 ppm	•	•	•	•	•
Total Chlorine	0 - 15 ppm	•	•	•	•	•
Bromine	0 - 33 ppm	•	•	•	•	•
pH	6.3 - 8.6	•	•	•	•	•
Calcium Hardness	0 - 800 ppm	•	•	•	•	•
Total Alkalinity	0 - 250 ppm	•	•	•	•	•
Cyanuric Acid	5 - 150 ppm	•	•	•	•	•
Copper	0 - 3.0 ppm	•	•	•	•	•
Iron	0 - 3.0 ppm	•	•	•	•	•
Salt	0-5000 ppm	•	•	•	•	•
Phosphate	0 - 2000 ppm	•	•	•	•	•
Borate	0 - 60 ppm	•	•	•	•	•
Biguanide	0 - 70 ppm	•	•	•	•	•
Biguanide Shock	0 - 250 ppm	•	•	•	•	•



24-019

LAMOTTE PHOTOMETER TEST KITS
LAMOTTE COLORQ 2X TEST KITS — The unique, multi-test waterproof Bluetooth ColorQ 2X hand-held photometer measures test factors directly on a digital display. Featuring an innovative dual-optic design, the ColorQ 2X provides more accuracy and more test factors. The ColorQ 2X eliminates the need to visually determine slight color variations or the use of look-up tables, which takes the guesswork out of pool-side water analysis.

COLORQ PRO TEST KITS

Item	Description
24-011	ColorQ 2X PRO 7 Liquid
24-012	ColorQ 2X PRO 7 Test Tabs
24-013	ColorQ 2X PRO 9-Plus

COLORQ 2X PRO TEST KIT RANGES

Test	Range	ColorQ PRO 7	ColorQ PRO 9
Free Chlorine	0 - 10 ppm	incl.	incl.
Total Chlorine	0 - 10 ppm	incl.	incl.
Bromine	0 - 22 ppm	incl.	incl.
pH	6.5 - 8.5 ppm	incl.	incl.
Total Alkalinity	0 - 300 ppm	incl.	incl.
Calcium Hardness	0 - 600 ppm	incl.	incl.
Cyanuric Acid	0 - 150 ppm	incl.	incl.
Iron	0 - 3.0 ppm	•	incl.
Copper	0 - 4.0 ppm	•	incl.



24-117

LAMOTTE HAND HELD METERS
LAMOTTE SALT/TDS/TEMP TRACER POCKETESTER KIT — The digital Salt/TDS/TEMP TRACER PockeTester measures the Sodium Chloride level in saltwater pools with a range from 0 to 9,999 ppm. TDS is measured from 0 to 9,999 ppm and Temperature from 32.0° to 149°F. The includes the Salt, TDS, Temp. TRACER PockeTester and 120 mL calibration standard all in a rugged carrying case. The Salt, TDS and Temp. TRACER PockeTester memory feature saves 25 results.

- 24-117** Tracer Pocket Tester, SALT/TDS/TEMP
- 24-118** Tracer SALT/TDS/TEMP sensor
- 24-119** Tracer SALT/TDS/TEMP calibration standard, 120 ml



24-120

LAMOTTE TRACER POCKET TESTER— Tracer Pocket Tester Kit tests for Chlorine, pH, and ORP. Includes tester with three interchangeable probes, 20 ml sample cup, tablet crusher, 100 Chlorine tablets and case. Bar graph display shows sample temperature when testing Chlorine or pH. Saves calibrations between sensor changes. Also available as individual Tracer Pocket Testers (Chlorine, pH or ORP) which includes Tester with probe, and 20 ml sample cup. Water resistant.

Tester	Tracer Pocket Tester	Repl. Probe	Range
Kit	24-120	•	•
Chlorine	24-130	24-135	0.0 - 10.0 ppm
pH	24-140	24-145	0.0 - 14.0
ORP	24-150	24-155	-999 - 999 mv

POCKET TESTER ACCESSORIES

- 24-160** Sample cup, 20 ml
- 24-165** Weighted stand w/5 sample cups



LAMOTTE PHOSPHATE TEST KIT

LAMOTTE INSTANT TEST KIT — Insta-TEST® PRO Phosphate Low Range strip measures the Phosphate levels from 0, 100, 200, 300, 500, 1000, and 2500 ppb. The Phosphate test strip is a reagent-delivery style strip with results in 15 seconds. The PRO Phosphate strips are packaged 50 strips per bottle.

24-039



24-023

24-022

INSTANT STRIP TEST KITS

LAMOTTE INSTA-TEST STRIPS — Instant reliable results without reagents. 50 strips per bottle.

Tester	Insta-Test 6	Insta-Test 5	Insta-Test 3
Item	24-025	24-022	24-023
Total Chlorine	0-10 ppm	0-10 ppm	•
Free Chlorine	0-10 ppm	0-10 ppm	0-10 ppm
Bromine	•	0-20 ppm	0-20 ppm
Alkalinity	0-240 ppm	0-240 ppm	0-240 ppm
pH	6.2-9.0	6.2-9.0	6.2-9.0
Cyanuric Acid	0-250 ppm	•	•
Total Hardness	0-800 ppm	0-800 ppm	•



24-030

WATERSAFE® TEST KIT

WATERSAFE® BACTERIA TEST KIT

Detects the presence of pseudomonas and E-coli in swimming pools and spas in less than 20 minutes. Includes: 10 one time only tests.

24-030 Watersafe® Bacteria Test Kit



24-116

POOL RECORD LOG BOOKS

ALL-WEATHER LOG BOOKS — All-weather log books for essential pool records. **Commercial Pool and Spa Log Book** is a detailed 6 month record documenting chemical readings, mechanical equipment log, bather load and more.

24-116 Pool and Spa Log Book



TAYLOR PARTS

TAYLOR COMPARATOR SLIDES — Optional comparators for Taylor Professional Complete, Professional and Commercial Test Kits.

- 25-005 Low Chlorine (0.0-3.0 ppm)
- 25-010 High Chlorine (1.0-10.0 ppm)
- 25-025 pH (6.8-8.4)
- 25-030 Copper (0.0-3.0 ppm)



ENSLow BASE — Replacement base for test cells when using the Professional Complete, Professional and Commercial Test Kits.

25-040



25-003

SAMPLESIZER — Precisely displaces the right amount of water needed for Taylor 25 mL or 10 mL test samples. Anodized aluminum.

25-003



25-002

SPEEDSTIR — Compact magnetic stirrer drops into Taylor test vial for automatic stirring. Requires 4-AA batteries.

25-002

UNIT DOSE DISPENSER — For use with Taylor's DPD Powder. Quickly and neatly dispenses the exact amount of reagent powder needed to perform FAS-DPD titration test.

25-004



25-065

25-045
25-050

MOLDED TEST CELLS

- 25-045 Low range, 11.5 ml
- 25-050 High range, .5 ml
- 25-055 Replacement cap, 11.5 ml
- 25-060 Replacement cap, .5 ml
- 25-081 Test cell brush

DPD POWDER SPOON

25-257

PIPETTE — Calibrated eye dropper

- 25-065 .5 ml pipette
- 25-066 .5 ml / 1.0 ml pipette

CYANURIC ACID SAMPLE VIEW TUBE

25-070

CYANURIC ACID DISPENSING BOTTLE

25-075 15 ml

MULTIPURPOSE TEST SAMPLE TUBE

FAS-DPD, alkalinity & calcium hardness sample tube.

25-079 25 ml



25-085

COMPARATOR TEST BLOCKS — For use with Taylor test kits.

- 25-085 Comparator test block
- 25-086 FAS-DPD Comparator test block
- 25-090 Replacement cap, small
- 25-095 Replacement cap, large

WATER BALANCE CALCULATORS

Easy to use Saturation Index calculator for your pool water. Available in new electronic version or re-designed Watergram™ Wheel.

25-099 Watergram™ Wheel

Test Reagents

TAYLOR LIQUID REAGENTS

Reagent	Taylor #	.75 oz.	2 oz.	16 oz.
DPD No. 1	R-0001	25-100	25-105	.
DPD No. 2	R-0002	25-110	25-115	.
DPD No. 3	R-0003	25-120	25-125	.
pH Indicator Solution	R-0004	25-130	25-135	25-136
Acid Demand Reagent (ADR)	R-0005	25-140	25-145	25-146
Base Demand Reagent (BDR)	R-0006	25-150	25-155	25-156
Thiosulfate N/10	R-0007	25-160	25-165	25-166
Total Alkalinity Indicator	R-0008	25-170	25-175	25-176
Sulfuric Acid .12N	R-0009	25-180	25-185	25-186
Calcium Buffer	R-0010	25-190	25-195	25-196
Calcium Indicator Liquid	R-0011L	25-200	25-205	25-206
Hardness Reagent	R-0012	25-220	25-225	25-226
Cyanuric Acid Reagent	R-0013	25-229	25-230	25-233
Phenol Red Indicator	R-1003J	25-235	25-240	25-245
Chromate Indicator	R-0630	25-246	25-630	.
Silver Nitrate	R-0718	25-635	25-626	25-627
FAS-DPD Titrating Chlorine	R-0871	25-259	25-260	25-265
FAS-DPD Titrating Bromine	R-0872	25-269	25-270	.
Phosphate Reagent #1	R-0980	25-271	.	.
Phosphate Reagent #2	R-0981	25-272	.	.
Deox Reagent	R-0867	25-275	25-280	.



TAYLOR POWDERED REAGENTS

Reagent	Taylor #	10 gram	50 gram	.25 lb	1 lb.
Calcium Indicator Powder	R-0011P	25-210	25-215	25-216	.
DPD Powder	R-0870	25-250	.	25-255	.

LAMOTTE COLORQ 2X LIQUID REAGENTS

Reagent	LaMotte #	ColorQ 2X PRO 7 Test Kit (Liquid) 30 ml	ColorQ 2X PRO 9+ Test Kit (Liquid) 60 ml
DPD 1A	6740	25-520	25-525
DPD 1B	6741	25-530	25-535
DPD 3	6743	25-540	25-545
pH Reagent	7037	25-552	25-553

LAMOTTE COLORQ TABLET REAGENTS

Reagent	LaMotte #	100 (Test Tabs)	1,000 (Test Tabs)	ColorQ 2X PRO 7 Test Kit (Test Tabs)	ColorQ 2X PRO7 Test Kit (Liquid)	ColorQ 2X PRO9 Test Kit (Test Tabs)
DPD 1 Instrument Grade	6903A	25-636	25-637	incl.	.	.
DPD 3 Instrument Grade	6197A	25-638	25-639	incl.	.	.
pH Instrument Grade	3880A	25-640	25-641	incl.	.	.
Alkalinity Instrument Grade	3896A	25-647	25-648	incl.	incl.	incl.
Calcium Hardness Instrument Grade	3887A	25-651	25-652	incl.	incl.	incl.
Cyanuric Acid	6996A	25-487	25-488	incl.	incl.	incl.

LAMOTTE POOL MANAGER TABLET REAGENTS

Reagent	LaMotte #	100 (Test Tabs)	1,000 (Test Tabs)
Chlorine DPD 1R	6999A	25-335	25-345
Chlorine DPD 3R	6905A	25-375	25-385
Phenol Red pH	6915A	25-415	25-425
Alkalinity	3920A	25-435	25-445
Calcium Hardness	6846A	25-475	25-485
Cyanuric Acid	6994A	25-495	25-505





AQUABOT VACUUMS

ULTRAMAX AUTOMATIC VACUUM — The UltraMAX is one of the most technologically advanced, easy to use, commercial pool cleaners available. Heavy duty filtration system filters out all types of debris including algae and other particles down to 2 microns in size. UltraMAX vacuums have been engineered to work with VGB main drain covers. 24 volt power supply. This sleek wide body design from BWT sets a new standard for commercial pool cleaners and is easier to use and maintain than ever. Specifically designed for large pool cleaning with over 9,750 SF per hour and filtering up to 9,600 GPH. Features Remote Control technology, AquaSmart Cleaning, Beach Boy air sensor and Infra-Red capabilities. The internal timer is adjustable to 3, 4, or 6 hour timer sessions with automatic shut-off. Also available with PVA Brushes for tile and vinyl pools.

Feature	UltraMAX
Item	26-180
Pool Size	up to 164'
Vacuum Width	30"
GPH	9,600
Cord Length	147'
Drive Motor	2
Pump	2
Remote	4-way
Cart	Included
Floor/Wall	Floor only
Warranty	3 year
Infrared Sensor	Included
Zero Depth Sensor	Included
Weight	49 lbs.



MAGNUM AUTOMATIC VACUUM — The Magnum is perfect for medium sized commercial or public swimming pools up to 100' long, covering over 6,996 sq. feet per hour while filtering 4800 GPH. The unit is fully automatic and self-contained. 3, 4, or 5 hour timer session with automatic shut-off. The Magnum requires no special hookup or hoses. With the AquaSmart System installed, the Magnum is able to calculate the size of a pool and program itself to efficiently clean most pools in 4 hours or less. With the included remote control feature, the operator can quickly spot clean. Magnum pool cleaners include infrared detection system. Also available with PVA Brushes for tile and vinyl pools.

Feature	Magnum
Item	26-145
Vacuum Width	22"
Cord Length	118'
Remote	3-key
Cart	Included
Warranty	3 year



GEMINI AUTOMATIC VACUUM — The Gemini uses a wide dual body design, dual pump motors and dual PVA Brushes to scrub and vacuum large quantities of dirt and debris. It's intended use is for commercial pools up to 164' in length, covering over 9,307 sq. feet per hour while filtering 9,600 GPH. 3, 4, or 5 hour timer session with automatic shut-off Its Dual filter bag design ensures super filtration down to 2 microns. This cleaner comes equipped standard with PVC scrubbing brushes. Also available with PVA Brushes for tile and vinyl pools.

Feature	Gemini
Item	26-130
Vacuum Width	31"
Cord Length	147'
Remote	Included
Cart	Included
Warranty	3 year



MAGNUM JR. AUTOMATIC VACUUM — The Magnum Junior is designed to clean smaller commercial pools up to 75' with over 4,305 sq. ft. per Hr. and over 4,800 GPH. The Magnum Junior's single body design quickly and efficiently cleans pools found at many hotels, motels, schools and universities. 3, 4, or 5 hour timer session with automatic shut-off. This cleaner comes equipped standard with PVC scrubbing brushes.

Feature	Magnum Jr.
Item	26-150
Vacuum Width	20"
Cord Length	98'
Remote	3-key
Cart	Included
Warranty	2 year



AQUABOT VACUUM CARTS — Heavy duty vacuum carts for Aquabot/BWT vacuums. Designed to store and transport vacuum, cord, and power supply.

- 26-165** Aquabot Commercial Cart
- 26-166** Aquabot Trolley
- 26-167** Aquabot Cart

Automatic Vacuums



Complete pool scanning

To ensure thorough cleaning, your Dolphin cleaner is equipped with built in software that systematically cleans your entire pool regardless of your pool's shape or surface.



Gyro-scanning

Unique gyroscopic system delivers accurate and effective scanning for systematic cleaning along the entire pool.



CleverClean™ system

The unique CleverClean Scanning system, powered by intelligent software, helps the robot optimize its scanning capabilities by learning the various parameters of the pool and adjusting its patterns accordingly. This guarantees complete coverage of any type of pool during each cleaning cycle, including shaped pools and pools with obstacles.



Power Supply

Easy-to-use power supply allows you to plug in your unit, drop it in your pool, and leave the unit to run. Adjustable cleaning cycle run times allow you to program the proper cleaning time for your facility. 24 volt DC. UL Listed



Top-access

The filter cartridge system is accessed from the top of the robot for easy and convenient cleaning (Wave 60, 80, and 140 only).



Feature	Wave 100	Wave 80	Wave 60
Item	26-233	26-232	26-231
Pool Size	up to 88'	up to 68'	up to 50'
Vacuum Width	16"	16"	16"
Cycle Time	4,6 or 8 hours	1.5, 2.5 or 3.5 hours	1 or 2.5 hours
GPH	4,491	4,491	4,491
Cord Length	98'	78'	60'
Drive Motor	2	2	2
Pump	1	1	1
Digital Power Supply	LED w/Full Bag Indicator	.	.
Cable Swivel	Yes	Yes	Yes
Remote	Included	Included	91-99954226
Caddy	Yes	Yes	Yes
Floor/Wall/Waterline	Floor, Wall, Adjustable	Floor, Wall, Waterline	Floor, Wall, Waterline
Warranty	2 Year	2 Year	2 Year
Zero Depth Sensor	included	included	included
Weight (w/o Cable)	29 lbs.	25 lbs.	25 lbs.
Combined Brush	included	included	included
Filtration Type	Bag	Top Load Cartridge	Top Load Cartridge
Filter Bag or Cartridge	91-105	91-110 (pkg. of 4)	91-110 (pkg. of 4)
PVC Brush	91-205 each	91-210 (set of 4)	91-215 (pair)
Brush Climbing Ring	91-220 (set of 4)	91-220 (set of 4)	91-220 (set of 4)
Tracks	91-300 (pair)	91-300 (pair)	91-300 (pair)



Wave



26-234



26-235

Feature	Wave 120	Wave 140
Item	26-234	26-235
Pool Size	up to 121'	up to 127'
Vacuum Width	30"	24"
Cycle Time	4, 6, or 8 hours	4, 5, or 6 hours
GPH	8,454	8,982
Cable Length	131'	137'
Drive Motor	2	2
Pump Motor	2	2
Digital Power Supply	LED w/Full Bag Indicator	Integrated Power Supply
Cable Swivel	Yes	Yes
Remote	Yes	Yes
Caddy	Yes	Yes
Floor/Wall/Waterline	Floor, Wall, Adjustable	Floor Only
Warranty	2 Year	3 Year
Zero Depth Sensor	Included	Included
Weight (w/o Case)	89 lbs.	55 lbs.
Type Brush	Combined Brush	Dual Scrub Brushes
Filtration Type	Bag	Top Load Cartridge
Filter Bag	91-105	•
Filter Cartridge (50 Micron)	•	91-114
Filter Cartridge (100 Micron)	•	91-115
PVC Brush	91-200 (pair)	91-116
Climbing Ring	91-220 (set of 4)	•
Drive Track	91-300 (pair)	91-117
Drive Belt	•	91-118
Small Side Brush	•	91-119



26-230

DOLPHIN W20 VACUUM — This robotic cleaner allows you to clean shallow water pools and fountains and will work in as little as 8" in depth and up to 17' in depth. The unit will clean your pool or fountain automatically, with a selectable 1 Hr. or 3 Hr. cleaning cycle. The W20 can navigate both standard pools, beach entry pools, and decorative pools of any shape. The W20 has a 60' cord and includes a remote control for spot cleaning. This vacuum offers the only way to automatically vacuum decorative fountains that have always had to be cleaned by hand. Includes cart. **3 Year Warranty**

26-230

91-307 Filter Bag (70 Micron)

91-205 PVC Brush (each)

Battery Operated Vacuums



26-036

HAMMER-HEAD VACUUMS

HAMMER-HEAD VACUUMS — Finally a vacuum that is perfect for quick fixes and efficiently handles your big jobs. Sets up faster than conventional vacuum systems, saving you time and money. No installation or priming required and the unit runs independently of the pool circulation system. Head design provides 30 lb. thrust resulting in 16,000 GPH. Two sizes available: **Resort 30** - with 30" wide vacuum head and the **Resort 21** - with 21" wide vacuum head. Both units include 60' cord, smart charger, cart and 2 debris bags. Pole and 12 volt deep cycle marine battery not included. **1 Year Warranty.**

26-036 Hammer-Head Resort 30

26-037 Hammer-Head Resort 21

26-048 Hammer-Head Smart Charger

HAMMER-HEAD DEBRIS BAGS

Bag Mesh Style	Tag Color	Regular	Extra Large	Short (Fountain)
Coarse	Purple	26-040	26-043	.
Standard	Red	26-038	26-041	26-044
Super Fine	Blue	26-039	26-042	.
Ultra Fine	White	26-034	.	.

HAMMER-HEAD REPLACEMENT PARTS

Item	Description	Includes
26-051	3 Blade Propeller Kit	Prop Pins (2) Prop Nut (1)
26-052	Vacuum Head Wheel, Large	Bushing (1)
26-053	Vacuum Head Wheel, Small	Bolt (1) Bushing (1)
26-054	Cart Wheel, 20"	Wheel Bearing (1)



26-037



29-004



29-005

POOL BLASTER PRO VACUUMS

— Lithium powered hand-held vacuums can attach to a pole for bigger jobs. Pole ordered separately. Switch and go battery insures no job is left undone. Available in three models: **PRO 1500** and **PRO 900** are for larger vacuuming requirements. Includes: (2) rechargeable Lithium batteries with wall charger, (3) reusable filter bags, and universal vacuum head. **1 Year Warranty.**



29-003

POOL BLASTER PRECISION 2.0Li VACUUM

— Having the right tools to do the job will save you time, money and unnecessary headaches. The Precision 2.0Li works on any surface: concrete, tile, vinyl, or fiberglass. Simply attach the Precision 2.0Li to any standard telescopic pool pole, turn the unit on, and you are ready to vacuum. Its lightweight, no fuss design is free from hoses, external pumps and electrical cords. The durable design and powerful suction makes the Precision 2.0Li a perfect pool cleaning tool. Perfect for overall pool vacuuming including: steps, swim outs, benches, spillover spas, negative edge troughs, tanning ledges and fountains. Includes: (2) rechargeable Lithium batteries with wall charger, (3) reusable filter bags, and (2) vacuum heads—one for both gunite pools and one for vinyl-lined pools. **1 Year Warranty.**

POOL BLASTER VACUUMS

Features	PRO 1500	PRO 900	PRECISION 2.0 Li
Item	29-004	29-005	29-003
Vacuum Head Width	19"	15"	15"/19"
Throat	2"	2"	2"
Rechargeable Lithium Battery	2 - 60 min.	2 - 60 min.	2 - 60 min.

POOL BLASTER REPLACEMENT FILTER BAGS

Description	PRO 1500	PRO 900	PRECISION 2.0 Li
All-Purpose Filter Bag	29-008	29-008	29-018
Sand and Silt Filter Bag	29-009	29-009	29-019
Xtreme Multi-Layer Micro Filter Bag	29-010	29-010	29-020

POOL BLASTER REPLACEMENT PARTS

Description	PRO 1500	PRO 900	PRECISION 2.0 Li
Lithium Battery	29-012	29-012	29-012
Motor Box Assembly	29-016	29-016	29-023
Charger	29-011	29-011	29-024
Wheels	29-014 (set of 4)	29-006 (set of 11)	.
Brushes	29-007 (set of 6)	29-007 (set of 6)	.



27-010

PORTABLE VACUUMS

LINCOLN PORTABLE VACUUM SYSTEMS — Stainless steel cartridge filter mounted on a easy-to-maneuver stainless steel cart. 100' #10-3 wire electric cable with in-line GFCI. Available in electric or gas versions. Includes (2) 1½" and (2) 2" hose connection fittings. Vacuum accessories ordered separately.

Item	HP	Filter Sq. Ft.	Volts	Max Amps
ELECTRIC				
27-009	1 HP	105	110V	15
27-010	1½ HP	155	110V	18.6
27-015	2 HP	155	110V	19.6
27-020	2 HP	155	220V	19.6
GAS				
27-025	3.5 HP	155	Gas	•

REPLACEMENT PARTS

- 18-250 6 sq. ft. cartridge
- 18-252 105 sq. ft. cartridge
- 18-253 155 sq. ft. cartridge
- 18-272 Antimicrobial 105 sq. ft. cartridge
- 18-273 Antimicrobial 155 sq. ft. cartridge
- 27-035 Rim gasket
- 27-040 Strainer basket
- 27-041 Strainer "O" ring
- 27-042 Strainer lid
- 27-129 Replacement vacuum cart wheel
- 27-104 Replacement Priming "T"



27-100

LINCOLN PORTABLE PUMP SYSTEM —

Allows you to vacuum and discharge debris to waste. System features stainless steel cart and rubber wheels, pump with clear-lid strainer basket and vacuum priming "T". Includes: (2) 1½" and (2) 2" hose connection fittings. Electrical pumps include in-line GFCI and watertight power switch. Pump Overhaul Kit includes: impeller, shaft seal and "o" ring.



27-055
27-060

27-045
27-050

MAXI-SWEEP PORTABLE VACUUM SYSTEMS — Portable vacuum system saves pool water, chemicals and energy by filtering dirty water and returning clean water to the pool as you vacuum. Includes: 2" x 50' hose, 1 - 8' x 24' telescopic pole and 2 - 8' extension poles. Specify: 30", 36" or 42" vacuum 3-port vacuum head. For electric units, specify 110 volt/30 amp or 220 volt/20 amp.

Item	HP	Filter Sq. Ft.	Cord Length	GPH
ELECTRIC				
27-055	2 HP	225	50'	8,000
27-060	2 HP	225	100'	8,000
GAS				
27-045	4 HP	225	•	8,000
27-050	5½ HP	225	•	8,000

REPLACEMENT PARTS

- 27-065 Dacron cartridges (set of 3)
- 27-070 Strainer basket
- 27-075 30" vacuum head
- 27-080 36" vacuum head
- 27-085 42" vacuum head
- 27-090 Vacuum head wheel assembly, ea.
- 27-091 Leaf trap

NOTE: See [pages 94-97](#) for vacuum accessories and aluminum poles.

Item	HP	Volts	Cord Length	GpH
ELECTRIC				
27-100	1½ HP	110	100'	6,000
27-095	2 HP	220	100'	8,200
GAS				
27-120	3 HP	•	•	7,800



27-120

IMPORTANT: Due to possible electrical danger, portable vacuums must be wired to proper receptacles utilizing G.F.I.'s. It is recommended that a 20 amp service outlet be used on all portable pool vacuums and pumps.

Vacuum Heads



27-005

CYCLONE PORTABLE VACUUM — 1 HP portable vacuum system with 50 ft. cord. Mounted on a powder coated portable cart, with non-metallic, chemical resistant wheels. 75 sq. ft. cartridge filter with Multi-Cyclone debris separator, which extends the time between filter cleanings 4-6 times. 110 volt with 20 amp GFCI.

27-005



28-121



28-120

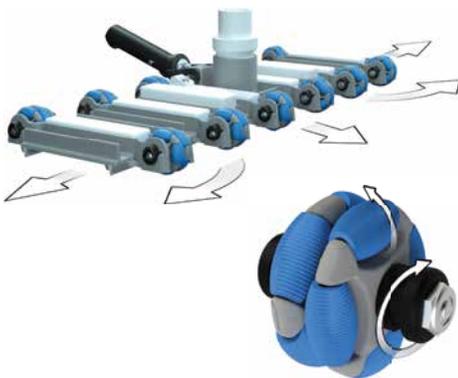
COMMERCIAL VACUUM HEADS

GYRO-VAC+ VACUUM HEADS — This unique vacuum head features Vac-Easy multi-directional wheels, that allow you to move the vacuum in any direction, with ease. Includes carbon reinforced swivel handle, heavy-duty polymer wheels, and improved bottom clearance. UV resistant body.

28-120 22" Gyro-Vac+

28-121 14" Gyro-Vac+

28-122 Repl. Gyro-Vac+ wheel assembly, 2 per set



28-075

18" CPB VACUUM HEAD — Chrome plated brass vacuum head designed especially for rugged commercial use. Includes: adjustable brush and skirt kit and heavy duty handle. Available in 2" or 1½" hose connection.

28-075 18" CPB, 2"

28-080 18" CPB, 1½"

CPB REPLACEMENT PARTS

28-085 Wheel and axle kit, each

28-095 Brush and wiper kit with hardware

28-101 CPB handle



28-150



28-155

28-156

LINCOLN PROVAC VACUUM HEADS

Commercial vacuum head with Even-flow design for optimum vacuum suction. Flex strips guide debris into suction chamber. Adjustable ball bearing wheels, lead weights and chrome steerable handle. Fits 2" or 1½" vacuum hose. Available in two models: Lincoln Super ProVac is 41" wide with dual suction ports for increased coverage in cleaning commercial pools. Lincoln ProVac 29" and 14" wide vacuum heads are available with single port suction chamber.

28-150 41" Super ProVac

28-155 29" ProVac

28-153 22" ProVac

28-156 14" ProVac

PROVAC REPLACEMENT PARTS

28-188 Wheel, each

28-165 Axle assembly, each

28-241 Adjustment washer

28-170 5' white flex strip, short

28-175 5' blue flex strip, long

28-194 Manifold hose assembly

28-180 Metal swivel handle

28-245 Snap-Adapt handle

28-185 Handle joining assembly



28-186

COMMERCIAL VACUUM HEAD — Flexible dual manifold vacuum head provides maximum cleaning performance. 24" wide vacuum head features enclosed lead weights. Adjustable ball bearing polyurethane wheels. Fits both 2" or 1½" vacuum hose.

28-186 24" Commercial

COMMERCIAL REPLACEMENT PARTS

28-188 Wheel, each

28-165 Axle assembly, each

28-191 Handle

28-250 Swivel caster, each

28-255 Stainless retainer clip, each

28-194 Manifold hose assembly



28-230

SWIVEL WHEEL VACUUM HEAD

Commercial grade pool vacuum heads with swivel wheels that allow the vacuum to be moved in any direction for ease in cleaning. Will fit any curvature of the pool. Fully enclosed weights help keep the vacuum head on the pool bottom. Fits both 2" or 1½" vacuum hose.

28-230 19" Swivel

SWIVEL WHEEL REPLACEMENT PARTS

28-235 Swivel wheel, each

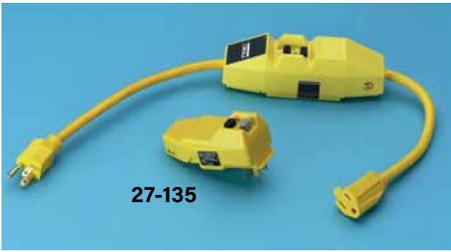
28-189 Swivel axle assembly, each

28-246 Wheel base caster support

28-245 Handle

28-250 Swivel caster, each

28-255 Stainless retainer clip, each

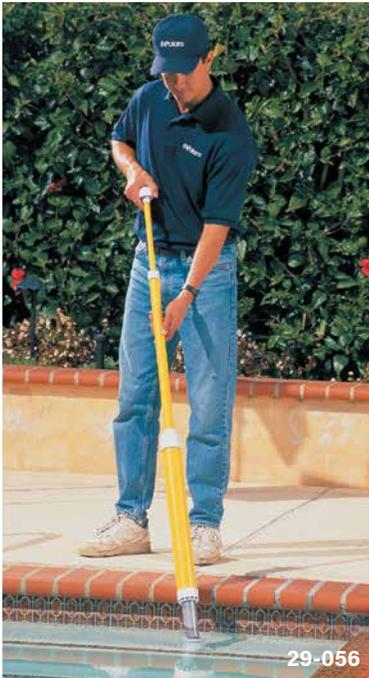


27-135

GROUND FAULT INTERRUPTERS

Designed to protect your equipment around the pool from power surges. Available in two styles: user attachable GFCI that is wired-in on-site and as in-line plug in style that does not require installation. Rated for 18-12 gauge cords. UL listed.

- 27-130** In-line GFCI, 120 volt
- 27-131** In-line GFCI, 240 volt
- 27-135** User attachable, 120 volt
- 27-132** User attachable, In-Line GFCI, 110/220 volt



29-056



29-056

HAND OPERATED VACUUM COMMERCIAL SPAWAND

— Ideal for quick touch-up cleanings on pool steps, spas and other small bodies of water. With just a few easy hand-powered strokes debris is sucked into a built-in filter basket for easy removal. No hoses or electricity required. Includes interchangeable nozzles.

- 29-056** Commercial Spa Wand, 55"
- 29-061** Commercial Spa Wand, 67"



29-025

LEAF CLEANING

POOLSTYLE LEAF EATER — Weighted body with urethane ball bearing wheels, metal swivel handle and extra-tall fine mesh bag with float.

- 29-025** Leaf Eater, Hose Attachment

LEAF EATER REPLACEMENT PARTS

- 29-031** Wheel, set of 3
- 29-030** Fine mesh bag



29-027

LEAF TRAP — Specifically designed to be used as a pre-filter for your vacuum or pump system. Leaf Trap captures large amounts of leaves, twigs, rocks, and other debris before it reaches your pump strainer basket. Features snap open and close lid, clear housing and large handle for ease of carrying. Includes 3' of flexible vacuum hose and bag.

- 29-026** Leaf Trap, 1 1/2"
- 29-027** Leaf Trap, 2"
- 29-028** Repl. Standard mesh bag
- 29-029** Sand/silt bag



29-120

VACUUM HOSES

PROFESSIONAL GRADE VACUUM HOSE — Commercial grade floating hose. Excellent flexibility makes it easy to handle. UV resistant. Available in 1 1/2" and 2" diameter sizes. Custom lengths available — inquire.

Hose Length	1 1/2" Dia.	2" Dia.
35'	29-250	-
50'	29-255	29-270
75'	29-260	29-275
100'	29-265	29-280



DISCHARGE HOSE

DISCHARGE HOSE — Vinyl collapsible discharge hose. Available in full 200' rolls or in pre-cut lengths.

Hose Length	1 1/2" Dia.	2" Dia.
200' Roll	29-141	29-142
25'	29-143	29-144
50'	29-146	29-147



Vacuum Accessories



29-150

VACUUM HOSE REELS

PARAGON STAINLESS HOSE REEL

Portable stainless steel vacuum hose storage Reel. Holds up to 100' of 2" vacuum hose. Saves on deck space and prolongs the life of your vacuum hose. Holds 1½" or 2" hose.

29-150



29-155

VACUUM HOSE REEL — UV stabilized polyethylene hose storage reel. Lightweight and portable. Hose stays cleaner and free from tangles. Holds up to 50' of 1½" hose.

29-155



29-157

VACUUM HOSE CARRIER

HOSE HUGGER — Handy way to cope with vacuum hoses. Made of durable polypropylene and wide Hook & Loop closure. Holds up to 50' of 2" vacuum hose.

29-157



29-160

DISCHARGE HOSE REEL

PORTABLE DISCHARGE HOSE REEL — Holds up to 85' of discharge hose. Holds both 1½" and 2" discharge hose.

29-160

VACUUM HOSE HANGER

VACUUM HOSE HANGER — Cyclolac, pair.

29-165



29-170

29-165

VACUUM HOSE FITTINGS

VACUUM HOSE COUPLING — Female threads at both ends. Plastic.

29-170 1½" hose coupling

29-175 2" hose coupling



29-180

29-185

29-190

VACUUM HOSE INSERT COUPLING — 2" O.D. plastic. (Hose clamps extra.)

29-180

HOSE CLAMP — Stainless steel.

29-185 1½" hose clamp

29-190 2" hose clamp



29-200

29-195

VACUUM HOSE END CONNECTOR — Female threads at one end. Plastic.

29-195 1½" hose end connector

29-200 2" hose end connector



29-215

29-210

HOSE-TO-WALL FITTINGS

29-210 1½" male to 1½" hose-PVC

29-215 2" male to 2" hose-PVC



29-225

29-220

HOSE-TO-WALL SWIVEL FITTINGS

29-220 1½" male to 1½" hose-CPB

29-225 2" male to 2" hose-CPB



29-230

QUICK CONNECT HOSE COUPLING Ensures fast, positive, leak proof connections for your vacuum hose. Includes: polypropylene connectors (2) and stainless steel clamp.

29-230 Quick Connect hose coupling, 1½"

29-235 Quick Connect hose coupling, 2"



30-020

ALGEE-GON — Simply insert a 3" diameter TriChlor tablet into holder, attach to your cleaning pole and scrub on black algae spots. Use algae brush to sweep dead algae away.

30-020 Algee-gon

30-021 3" TriChlor tablets, 4.3 lb. (10)



30-025

STAIN REMOVER

STAIN REMOVER — An easy-to-use underwater applicator of muriatic acid that will remove rust, scale and other stains without the necessity of draining the pool. The Stain Remover enables you to apply undiluted muriatic acid to the submerged surface by siphoning acid from a gallon bottle to a cuplike applicator.

30-025



CARBON FIBER POLES

CARBONLITE TELESCOPIC POLES — New Carbon Fiber poles are 10X stronger and 40% lighter than standard aluminum poles. When fully extended, with a heavy vacuum head on the end of the pole, there is virtually no bend. These adjustable telescopic poles have a stainless steel tip with holes for mounting cleaning items. Additional extension poles can be added to make the pole longer.

30-030 8'-16'

30-031 8'-23'

30-032 8' Carbonlite Extension Pole



30-035

30-050

30-065

30-083

30-045

POLES

STRAIGHT POLES — For use with brushes or life hook.

Length	Aluminum	Fiberglass
12'	30-065	30-045
16'	30-070	30-046

TELESCOPIC POLES — Features twist-lock connector for easy adjustment.

Length	Aluminum	Fiberglass
6' - 12'	.	30-035
8' - 16'	30-050	30-040
12' - 24'	30-055	30-041
16' - 32'	30-060	.

QUICK SHIP STRAIGHT POLES — .042" wall thickness aluminum pole for use with brushes or life hook. Quick ship poles are built in sections and can be shipped via UPS.

Length	Sections	Aluminum
16'	2 x 8'	30-075
24'	3 x 8'	30-080

QUICK SHIP TELESCOPIC POLES — Nylon twist-lock assembly secures sections in place. Quick ship poles are built in sections and can be shipped via UPS.

Length	Sections	Aluminum	Fiberglass
6' - 12'	2 x 6'	.	30-035
8' - 16'	2 x 8'	.	30-040
9' - 31'	4 x 8'	30-084	.

QUICK SHIP DUALY POLES — New .042" wall thickness aluminum poles with dual lock assemblies with twice the locking capabilities for heavy duty jobs. Quick Ship Dually poles are built in sections and can be shipped via UPS.

Length	Sections	Aluminum
8' - 16'	2' - 8'	30-081
6' - 18'	3' - 6'	30-082
8' - 24'	3' - 8'	30-083



POLE PARTS & FITTINGS

TELESCOPIC TWIST-LOCK CONNECTOR Replacement Nylon twist-lock assembly for use with aluminum telescopic poles.

30-105

NOTE: Due to size restrictions from UPS, poles over 8' must be shipped via common carrier. Please call for freight estimate.



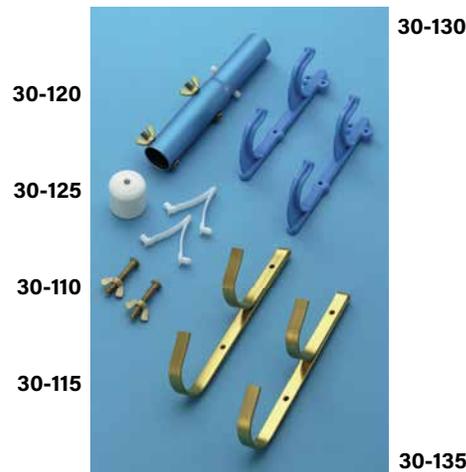
30-107

30-106

CAM LOCK — For use with Dually Poles replacement internal cam lock.

30-106 Replacement large cam

30-107 Replacement cam plug



30-120

30-125

30-110

30-115

30-130

30-135

DELTRIN SPRING CLIP — Replaces nuts and bolts. Plastic spring for snap adapter handles. 3 per package.

30-110

POLE HARDWARE SET — Set of 2 bolts and nuts for attaching vacuum heads and brushes to the end of pole.

30-115

SPEED POLE COUPLER — Attaches to your pole so you can quickly change to any vacuum head, brush or skimmer, without the necessity of using 2 bolts and nuts each time you change heads. Reduces the number of poles needed.

30-120

POLE CAPS — White polyethylene caps protect pole ends.

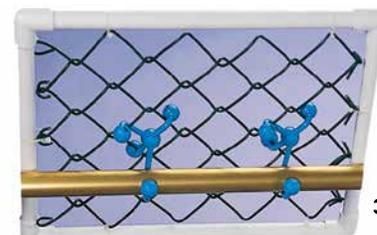
30-125 1/4"

POLE HANGERS

POLE HANGERS — Holds 2 poles on wall or fence. Set of 2 hangers.

30-130 Plastic

30-135 Aluminum



30-140

MISSING LINX POLE HANGERS — Plastic chain link fence pole hanger allows you to utilize your fence for easy pole storage. Holds one pole. Set of 2 hangers.

30-140

Cleaning Accessories



STRAIGHT END WALL BRUSHES

STRAIGHT END WALL BRUSH — Deluxe nylon bristles, plastic back with kwik-fit metal handle.

- 31-005 18"
- 31-010 24"
- 31-015 36"



CURVED END WALL BRUSHES

CURVED END WALL BRUSH — Deluxe nylon bristles, plastic back with kwik-fit metal handle.

- 31-020 18"
- 31-025 24"
- 31-030 36"



ALGAE BRUSHES

ALGAE BRUSHES — "Algae-fighter" brushes. Stainless steel bristles, plastic back with kwik-fit metal handle.

- 31-035 5"
- 31-040 9"
- 31-045 18"



TILE & ACID BRUSHES

TILE & ACID BRUSHES — Tile & acid wash brushes with blue plastic bristles. 2 7/8" wide. Durable hardwood back. 5' pole ordered separately.

- 31-051 5"
- 31-056 10"
- 32-066 5' wood pole



31-086

SPECIALTY BRUSHES

WALL WHALE — The Wall Whale creates a downward force, which keeps the brush firmly against the pool floor, with 10 times the force of a regular brush. Hinged Wall Whale vane eliminates drag on the upstroke and lifts the brush off the wall. Available complete with nylon bristle brushes or add a Wall Whale to your existing brush with the addition of the component kit.

- 31-086 Wall Whale with 24" brush
- 31-087 Wall Whale with 36" brush
- 31-088 Wall Whale Component Kit



31-090

SWEEPEASE BRUSH — Patented design lets the water do the work for you. Easily sticks to the pool wall and floor as you push the brush. Airfoil design also makes it easier to pull brush back through the water. Fast and easy way to clean your pool, with 10 times the brushing power of a standard pool brush. Now brushing can be done efficiently, even when you're using only one hand. Quick release pole connection.

31-090



31-069

DUAL ACTION SCRUB BRUSH — Dual surface brush and double edge squeegee all-in-one cleaning tool. Ideal for decks, locker and shower areas. Stiff crimped plastic bristles, 10" solid plastic back. 5' wood pole ordered separately.

- 31-069
- 32-066 5' wood pole



31-072

DUSTER BRUSH — Extra-soft bristles allow this brush to be used indoors, outdoors, or in the pool. Wide dome shaped head is great for cleaning cobwebs and dusting hard to reach places. Durable metal handle and kwik-fit button for use with standard telescopic pole.

31-072

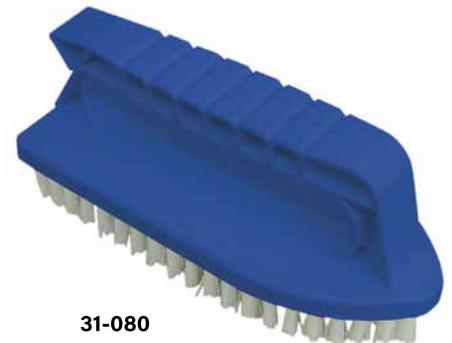


31-076

31-077

CORNER BRUSH — Perfect for cleaning hard to reach places. Staggered bristle pattern allows for better brushing action. Durable metal handle. Available in synthetic bristles or combination synthetic and stainless steel bristles.

- 31-076 Corner Brush, Synthetic
- 31-077 Corner Brush, Combination



31-080

MINI SCRUB BRUSH — All purpose scrub brush with poly bristles set into molded hand grip.

31-080



31-095

31-100

LEAF SKIMMERS & RAKES

DELUXE SKIMMER & LEAF RAKE

Designed for heavy duty commercial use. Features plated steel handle, stainless steel rim and protective tubing to guard from wear and tear.

Item	Style	Pocket Depth
31-095	Skimmer	8"
31-100	Leaf Rake	10"



31-101

31-102

DURAPRO SKIMMER & LEAF RAKE

An economical alternative to the Deluxe line of skimmers & leaf rakes with half the weight. Plated steel handle and rim with protective tubing. High Capacity model, with pocket stays to keep the pocket open, allowing debris to enter and empty easily.

Item	Style	Pocket Depth
31-101	Skimmer	8"
31-102	Leaf Rake	10"
31-103	High Capacity Leaf Rake	16"



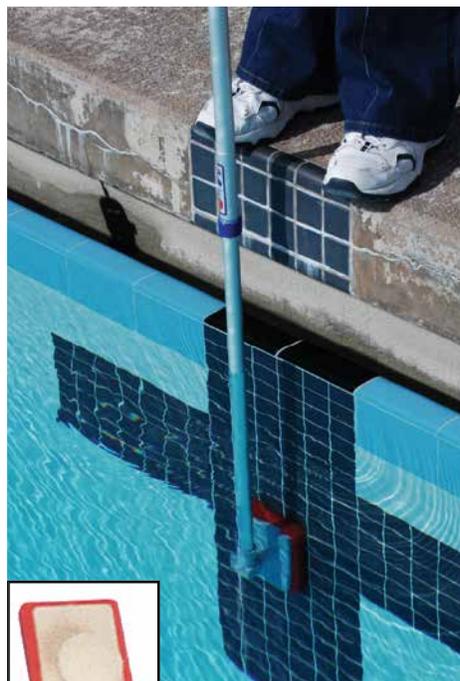
31-103



POOLSTYLE PROFESSIONAL LEAF RAKE

Commercial heavy duty 20" wide leaf rake with special lip design that allows for easy pickup of debris. Professional series leaf rake has a plastic rim, with strong polycarbonate handle, and 20" deep double stitched net. Available in two styles- standard mesh and fine mesh.

- 31-115 Standard Mesh Leaf Rake, 20"
- 31-120 Fine Mesh Leaf Rake, 20"



32-026



32-027

POOL SURFACE CLEANERS

TELESCOPIC TILE SCRUBBER — Allows you to clean your pool or spa tile standing up. Anodized aluminum 41" telescopic pole extends to 70" length with vinyl hand grips. Durable 7" x 4" polyethylene scrub pad attaches to the pole with a pivoting head attachment which enables you to work on cleaning the tile line at varying angles. Replacement hand knob and pad allows you to put more pressure on the pad for trouble spots.

- 32-026 Telescopic tile scrubber
- 32-027 Replacement pad with hand knob
- 32-028 Replacement pivoting head



32-002

RUST STONE — Fine grit emery stone with ABS handle. Can be used by hand or attached to the end of your cleaning pole. Helps remove stubborn stains and algae from pool surfaces.

32-002



32-005



32-010

POOL BLOK — A quick way to remove stains, rust, scale and algae deposits from ceramic tile and pool surfaces. Specially treated pumice stone is pH neutral so it can be used underwater. Optional aluminum handle fits larger Pool Blok pumice stone only.

Item	Pool Blok	Size
32-004	Small	6" x 1 ³ / ₄ "
32-005	Medium	6" x 3" x 3"
32-010	Handle	6"



32-017

32-016

STAIN ERASER — Cleans rust, calcium, algae and miscellaneous stains on surfaces. Won't scratch or gouge surface.

- 32-016 Stain eraser
- 32-017 Spa eraser

Deck Cleaning Accessories



32-058

CLEANING SYSTEMS

WYSIWASH SPRAY SYSTEMS — Clean and disinfect using chlorine caplets and your water hose. Ideal for locker rooms, pool decks and general facility maintenance. Eliminates algae and bacteria all while washing dirt away. Proper dispensing of chemical is automatic. Simply connect the applicator to a hose and spray. Calcium Hypochlorite caplets last up to 3 hours.



32-054

WYSIWASH PRO HAND SPRAYER

Sanitizer Pro Sprayer adds functionality, increased performance, and improved durability. The Sanitizer Pro features an ergonomic grip and locking trigger, for increased comfort and control.

- 32-054 Wysiwash Pro Hand Sprayer
- 32-058 Wysiwash Caplets, 9 caplets



32-053

WYSIWASH FCV HAND SPRAYER

New all-in-one Flow Control Valve (FCV) Hand Sprayer with adjustable flow rate. Unit has fewer parts for ease of use and requires less maintenance. Caplets ordered separately.

- 32-053 Wysiwash FCV Hand Sprayer
- 32-058 Wysiwash Caplets, 9 caplets

WATER HOSE

HEAVY DUTY WATER HOSE — Commercial grade 3/4" I.D. rubber hose with brass connections.

- 32-105 50' hose
- 32-106 75' hose
- 32-107 100' hose



32-038

WATER BROOMS

HEAVY DUTY WATER BROOM — Water conserving water broom uses less water than just hosing the deck with a hose nozzle. Quickly and efficiently cleans any paved surface in less time. The cleaning power comes from the brass nozzles that push the water ahead as it cleans, leaving fewer puddles behind on the surface. Heavy gauge steel construction with brass fittings and brass shut-off ball valve. Heavy gauge swivel casters provide easy maneuverability on the deck. 50 psi minimum water pressure required, except for 48" wide unit, which requires 80-100 psi water pressure.

- 32-037 5 nozzle, 24" wide
- 32-038 7 nozzle, 36" wide
- 32-039 10 nozzle, 48" wide



32-080

32-085

32-090

WATER NOZZLES & SHUT-OFFS

FIREMAN HOSE NOZZLE — Provides concentrated stream of water at one spot for removal of stubborn debris.

32-080

WATER SHUT-OFF PETCOCK — For back of nozzle. Allows one to shut off water at nozzle rather than at water line.

- 32-085 Brass
- 32-090 Plastic



32-060

DECK CLEANING ACCESSORIES

SQUEEGEE — 36" wide with curved ends, moves large volume of water with greater water control. Non-marking gray blade can easily be replaced. Zinc plated, heavy duty stamped steel handle and iron frame with 5' wood pole.

32-060 Squeegee



32-056

32-051

WATER REMOVERS

ROL-DRI® MASTER WATER REMOVER Removes water easily from tennis courts, pool decks and patios. Non-deteriorating foam is molded directly onto the roller core for a seamless fit to ensure rapid, streakless drying. Complete with handle. 36" wide.

- 32-051 Rol-Dri® Master Water Remover
- 32-056 Repl. Master Sponge & Roller



33-115

33-110

UNDERWATER LIGHTS

AMERLITE LIGHTS — Incandescent underwater pool light. Available in 120 volt and 12 volt styles with stainless steel face ring. Niche ordered separately. Units with longer cord lengths are available — inquire. **UL Listed.**

Cord Length	120 V 300 W	120 V 500 W	12 V 300 W
15'	33-100	33-115	33-094
50'	33-106	33-121	33-097
100'	33-108	33-123	.
Niche - 3/4"	33-110	33-110	33-110
Repl. Lens, 8 3/8"	33-210	33-210	33-210
Repl. Lens Gasket, 8 3/8"	33-230	33-230	33-230
Repl. Silicone Lens Gasket, 8 3/8"	33-225	33-225	33-225



33-060

SWIMQUIP LIGHTS — Incandescent underwater light with CPB face ring. Available in 120 volt and 12 volt models. Swimquip Niche is no longer available. Lights are for direct replacement only. **UL Listed.**

Cord Length	120 V 500 W	12 V 300 W
25'	33-060	33-068
50'	33-066	33-071
100'	33-067	.
Repl. Lens, 7 1/2"	33-200	33-200
Repl. Lens Gasket, 7 1/2"	33-220	33-220
Repl. Silicone Lens Gasket, 7 1/2"	33-227	33-227

NOTE: All lights are to be installed only into the manufacturers matching niche.



33-704

PENTAIR AQUALIGHT — The AquaLight uses halogen quartz bulbs and is designed for installation in small plastic or stainless-steel Pentair niches. The light shell is high-quality stainless steel, and the lens is prismatic tempered glass. Easy service stainless-steel clamp. Low water cutoff. Easy to service. Plastic snap-on face rings and colored lenses available. **UL Listed.**

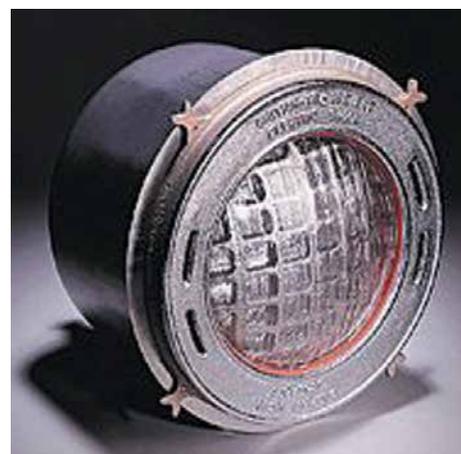
Cord Length	120 V 100 W	120 V 250 W	12 V 75 W
15'	33-700	33-703	33-706
50'	33-701	33-704	33-707
100'	33-702	33-705	33-708
Niche - 3/4"	33-135	33-135	33-135
Repl. Lens, 4"	33-098	33-098	33-098
Repl. Lens Gasket, 4"	33-099	33-099	33-099



33-802

PENTAIR GLOBRITE LED LIGHTS GloBrite lights utilize the industry's most advanced technology to showcase and enhance your pool's shallow water features, making your poolside evenings go from great to spectacular. Not only are GloBrite lights quick and easy to install, they are also the brightest and most efficient LEDs available. 5 brilliant fixed colors; 7 dazzling preprogrammed light shows. The perfect complement to IntelliBrite® 5g LED Pool Lighting for dynamic, synchronized colored light shows. Compatible with IntelliTouch® and EasyTouch® Control Systems. Can be used with an optional IntelliBrite® Controller. Does not require grounding or bonding for quick and easy installations.

Cord Length	Color	White
30'	33-796	33-801
50'	33-797	33-802
100'	33-798	33-803
150'	33-799	33-804
33-105	Gunite Niche	



33-175

HYDREL QUARTZ LIGHTS — Heavy duty cast bronze fixture with safety "electro-grid" design. Stainless steel niche, ordered separately. Custom cord lengths available. Available in 300W and 500W sizes. Includes low water cutoff. **UL Listed.**

Cord Length	120 V 300 W	120 V 500 W
35'	33-169	33-175
Niche - 3/4"	33-180	33-180
Repl. Lens, 8 3/8"	33-215	33-215
Repl. Lens Gasket, 8 3/8"	33-235	33-235
Repl. Grid Gasket, 8 3/8"	33-240	33-240



33-420

HYDREL LED POOL LIGHTS — White LED lights with either 18 LED array (60 watts) or 36 LED array (96 watts). White LED outputs of 3000K, 4100K, or 5300K. Custom cord lengths available. 120 volt. **UL Listed.**

Cord Length	LED Array	3000K	4100K	5300K
35'	18	33-420	33-421	33-422
35'	36	33-423	33-424	33-425
33-426	Custom Cord Lengths			
33-427	Niche - 3/4"			
33-428	Repl. LED Engine Kit - 18 LED			
33-429	Repl. LED Engine Kit - 36 LED			



LED POOL LIGHTS

INTELLIBRITE COLOR LED LIGHTS

The IntelliBrite 5g light is the most efficient underwater LED light available and provide vivid illumination using less than half the energy of competing LED lights. Consuming only 26 watts for pool lights and 18 watts for spa lights, IntelliBrite 5g color-changing LED lights use significantly less energy than traditional incandescent and halogen pool lights. Cool running LED lights are durable, solid-state technology with no internal filament to wear out. Unlike many LED pool lights, IntelliBrite 5g

lights continue to work even when a single LED goes out. Set one of 5 predetermined fixed colors and change as desired. Select from 7 popular pre-programmed light shows. Selections include slow scrolls through various color ranges from a calming routine, to rapid-fire color changes that build energy and excitement for your evening. Enjoy the even distribution of light combined with a custom reflector and lens designed to eliminate glare and "hot spots". The result is a virtually endless range of dramatic underwater lighting effects at your command. Poolside nights go from great to spectacular. **Check your local regulations for use of colored lights. UL Listed.**

COLOR SPA LED LIGHTS - 18 WATT

Cord Length	120 volt	12 volt
30'	33-880	33-900
50'	33-885	33-905
100'	33-890	33-910
150'	33-895	-

COLOR POOL LED LIGHTS - 26 WATT

Cord Length	120 volt	12 volt
30'	33-915	33-935
50'	33-920	33-940
100'	33-925	33-945
150'	33-930	-



33-950

INTELLIBRITE WHITE SPA LED LIGHTS

The IntelliBrite 5g White Underwater LED Light is not only brighter than incandescent lights, it's almost 10x more efficient. It's extended service life and energy efficiency can make the savings really add up. **UL Listed.**

WHITE SPA LED LIGHTS - 18 WATT

Cord Length	120 volt	12 volt
30'	33-950	33-970
50'	33-955	33-975
100'	33-960	33-980
150'	33-965	33-985



33-750

INTELLIBRITE WHITE POOL LED LIGHTS

IntelliBrite 5g white LED pool lights use up to 86% less energy, yet produces illumination equivalent to incandescent lights. Superior lens geometry, with exclusive reflector design, creates a wider beam with more uniform light distribution. Replacement Light Engine Kit includes: LED light assembly, Uni-tension clamp, and lens gasket. Replacement Lens Kit includes: lens and lens gasket. Available in 120 volt and 12 volt styles. IntelliBrite 5g lights work with IntelliTouch® or EasyTouch® Control Systems, the ultimate choices in pool, spa and poolscape equipment automation. In effect, you transfer programming and control of IntelliBrite lights to a central system that controls all your other backyard and pool features. **UL Listed.**

40 WATT LED - EQUIVALENT TO 300 WATT

Cord Length	120 volt	12 volt
30'	33-750	33-770
50'	33-755	33-775
100'	33-760	33-780
150'	33-765	33-785
33-870	Repl. Light Engine Kit	

48 WATT LED - EQUIVALENT TO 400 WATT

Cord Length	120 volt	12 volt
30'	33-790	33-810
50'	33-795	33-815
100'	33-800	33-820
150'	33-805	33-825
33-871	Repl. Light Engine Kit	

55 WATT LED - EQUIVALENT TO 500 WATT

Cord Length	120 volt	12 volt
30'	33-830	33-850
50'	33-835	33-855
100'	33-840	33-860
150'	33-845	33-865
33-872	Repl. Light Engine Kit	

33-875 Replacement Lens/Gasket Kit



Before - Incandescent Lights



After - LED Lights



PURE WHITE LED POOL LIGHTS — Stainless steel LED light fixture, available in 2 sizes, for use in pools or spas. Uses up to 90% less energy than an incandescent light. Reduces maintenance cost as light lasts up to 50,000 hours. 6500K LED color enhances pool water appearance, making it look cleaner and clearer. Tempered glass lens, with heavy-gauge 316 stainless steel, polished face plate. Available in- **Pool Fixtures**- 500 watt (58 watt LED), 300 watt (39 watt LED), and **Spa Fixture**- 100 watt (13 watt LED) output fixtures in 120 volt and 12 volt styles. Niche ordered separately. **3 Year Warranty. UL/ETL Listed.**

Cord Length	LED POOL LIGHTS				LED SPA LIGHTS	
	300 Watt		500 Watt		100 Watt	
	120 volt	12 volt	120 volt	12 volt	120 volt	12 volt
30'	33-610	33-630	33-520	33-540	33-371	33-372
50'	33-615	33-635	33-525	33-545	33-373	33-374
100'	33-620	33-640	33-530	33-550	33-375	33-376
150'	33-625	33-645	33-535	33-555	33-377	33-378
Niche	33-110	33-110	33-110	33-110	33-135	33-135



PENTAIR FOUNTAIN FIXTURES — Pentair fountain lights are a vivid white, a custom color, or a constantly changing spectrum with Pentair Fountain Fixtures. Easy to install, these fixtures are the only ones to offer true color-lighting capabilities. Sturdy cast-bronze construction with attractive natural bronze finish. Base and yoke-mount rotate 360° and pivot 180°. Integrated bonding lug for electrical safety. Exclusive strain-relief prevents damage to wiring connections. Niche installation option available. Large fixture for use with the Amerlite® and AmerQuartz® Lights listed for fountain use. Small fixture for use with AquaLight® and SpaBrite® Lights listed for fountain use. For use with Pentair Fountain Fixtures and Niche Kits. Same functionality and color cycles as the standard IntelliBrite® 5g Lights for swimming pools. Selectable beam pattern lens for standard and wide beam angle options.

Description	Small	Large
Fountain Fixtures	33-505	33-500
Fountain Rock Guards	33-506	33-507



33-391



33-398

LED LIGHT BULBS

PURE WHITE PRO LED LIGHT BULBS

Designed exclusively for swimming pool light fixtures to replace existing incandescent pool lamps. Reduces energy consumption and maintenance costs. Now available in 2700K Warm White or 6500K Cool White color temperature versions. The Warm White color version allows you to replace one bulb at a time, in a pool with other incandescent bulbs, so the color of the bulbs in the pool has a consistent look. The Cool White version adds a crisp look when compared to the color of an incandescent pool. Proprietary cooling system maximizes lamp life for over 40,000+ hours. Medium base connection. Water Temperature Range- 33 to 104, except S00W equivalent fixture is for pool use only- 33 to 85. Available in 120 volt and 12 volt styles. Includes silicone lens gasket. Specify current brand of light when ordering.

Pool (up to 95)- 3 Year Warranty. Spa (up to 104)- 1 Year Warranty.

STANDARD POOL & SPA FIXTURES

Voltage Equivalent	Input Power	2700K Warm White	6500K Cool White
300W	120V (28W)	33-391	33-392
300W	12V (32W)	33-393	33-394
500W	120V (37W)	33-396	33-397

MINI LIGHT FIXTURES

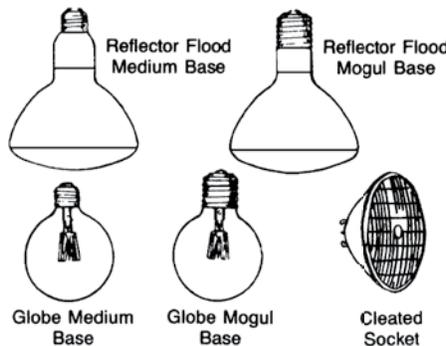
Voltage Equivalent	Input Power	2700K Warm White	6500K Cool White
100W	120V (13W)	33-398	33-399
100W	12V (15W)	33-400	33-401



33-412

HAYWARD CRYSTALOGIC LED LIGHT BULBS — LED Replacement bulbs are a cost-effective way to upgrade standard incandescent pool lights to energy-efficient, long lasting LED's. Bulbs have a 4800 lumen output, which is equivalent to a 500 watt incandescent bulb, and uses only 40 watts of power, which saves up to 87% less energy. **UL Listed** to retrofit into Hayward AstroLite, DuraLite, or other 120 volt light housings.

33-412



REPLACEMENT LIGHT BULBS

Bulb Style	Base	12 volt	120 volt		
		300W	300W	400W	500W
Reflector Flood	Medium	33-244	.	.	.
Flood	Cleated	33-245	.	.	.
Reflector	Mogul	.	33-250	.	33-265
Reflector	Medium	.	33-255	.	33-270
Globe	Mogul	.	.	.	33-275
Globe	Medium	.	.	33-260	.



33-225

33-226

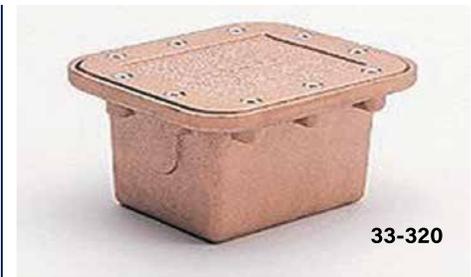
LENS GASKETS

SILICONE LENS GASKETS — Replacement gaskets provide superior chemical resistance.

33-225 Amerlite repl. lens gasket

33-227 Swimquip repl. lens gasket

33-226 SpaBrite repl. lens gasket



33-320

JUNCTION BOXES

HYDREL JUNCTION BOX — Cast bronze junction box for above deck or wall mounting. Can be drilled for 1/2", 3/4" or 1" sizes. Size: 7⁵/₈" L x 6¹/₂" W x 4⁷/₁₆" D. UL listed.

33-320



33-315

JUNCTION BOXES — Cast bronze base with polycarbonate cover. UL listed.

33-315 Bronze with poly top, 3 x 3/4" ports



33-295

TRANSFORMERS

TRANSFORMER — For use with low voltage lights. Converts line voltage from 120 volts to 12 volts. Waterproof enclosure. UL listed.

33-290 100 watt

33-295 300 watt



33-196

33-194

LIGHT ACCESSORIES

ADAPTABLE LIGHT RING — Adapt your old niche to new style lights. Order to match brand fixture currently in use.

33-194 Purex light

33-195 Amerlite light

LIGHT WEDGE — Holds pool light in when niche tab is stripped or broken. Fits all lights.

33-196



33-331

ENTRAPMENT PREVENTION

EMOTRON PSP20 — The only device available for pool & spa anti-entrapment that comes with a no-nuisance trip guarantee! With over 350,000 units installed on pumps worldwide, it's easy to see why the PSP20 is the pool contractors solution of choice when it comes to safety.

Full Load Amps	120V	208/240V	480V
10A	▪	▪	33-331
25A	33-325	33-328	33-332
50A	33-326	33-330	33-333
65A	▪	33-298	▪
Remote Alarm Horn 120V			33-334
Remote Alarm Horn 230V			33-324



33-344

VAC-ALERT SVRS SYSTEM — Safety Vacuum Release System (SVRS) reacts in less than one second to quickly release dangerous pump suction vacuum. Provides a critical layer of protection against body or limb entrapment. This totally mechanical, non-electric safety system is easy to install, adjust, and test. Available in 2 versions - **Submerged** - for below grade submerged suction installations, which provides pump start-up surge protection and **Lift** - for above grade suction lift installations, that allows flow to the pump when priming, for lifts up to 3.5 ft. Fail-safe design is constructed of engineered plastics and Type 316 stainless steel components for long life and reliability. **Meets or exceeds the performance requirements of ASME/ANSI A112.19.17. 3 Year Limited Warranty.**

- 33-343 Vac-Alert, Submerged
- 33-344 Vac-Alert, Lift



33-340

TIMERS & CONTROLS

EMERGENCY SPA SHUT-OFF SYSTEM
Spa side emergency shut-off switch turns off filter pump and spa jet pump instantly. Power center at the equipment site has status lights for pumps and audible alarm. 115V/230V.

33-340



33-341

SPA CONTROL SYSTEM — Remote spa jet switch with electronic count down timer (15 or 30 minutes) for spa users to activate. Also includes a spa side emergency shut-off switch which disables pumps instantly and filter pump time clock. 115V/230V.

33-341



33-280

33-285

SPRING WOUND TIMERS — Installs as switch in standard 2 1/2" deep, vertically installed, junction box.

- 33-280 15 minute timer
- 33-285 30 minute timer



27-130

27-135

GROUND FAULT INTERRUPTERS

GROUND FAULT INTERRUPTERS — Available in two GFCI styles: user attachable which is wired on site and in-line plug in style. Rated for 18-12 gauge cords. UL listed.

- 27-130 In-line GFCI, 120 volt
- 27-131 In-line GFCI, 240 volt
- 27-135 User attachable, 120 volt
- 27-132 User attachable, In-Line GFCI, 110/220 volt



33-345

LIGHTNING DETECTORS

SKY SCAN LIGHTNING DETECTOR — Portable Electronic instrument can detect and track lightning up to 40 miles away. Audible tone and LED lights that track storms in miles away. 2 x 9 volt batteries required (not included). Protective soft case, 110 volt AC Adapter, and wall mount ordered separately.

- 33-345 Lightning detector
- 33-346 Protective case
- 33-347 110 volt AC adapter
- 33-348 Wall mount



33-005

33-015

UNDERWATER SPEAKER SYSTEM

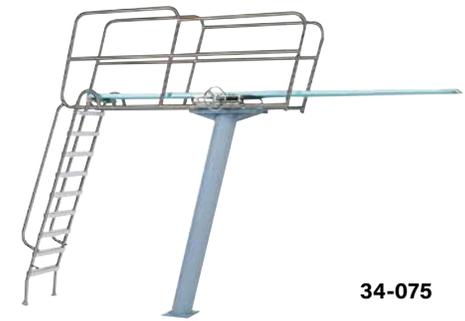
UNDERWATER SPEAKER SYSTEM — Underwater speakers utilize patented design that produces the highest output/bandwidth. Provides music and voice communication for: synchronized swimming, competitive swimming, and scuba training. **Portable System includes:** 120 watt mixer/amplifier, PVC underwater speaker with 25' cord, protective cage and transformer. **Permanent In-wall package** allows PVC speaker to be permanently mounted into pool wall. Includes: stainless steel niche with stainless steel grille, speaker with 50' cable, and transformer. Install at 6' depth. Use 1 speaker per 1,500 sq. ft. at pool surface area. Optional air speaker ordered separately. Additional accessories available.

- 33-005 Speaker system - portable
- 33-010 Speaker with niche - permanent
- 33-015 Optional air speaker
- 33-020 Air speaker cord, 25 ft.
- 33-025 Air speaker cord, 50 ft.

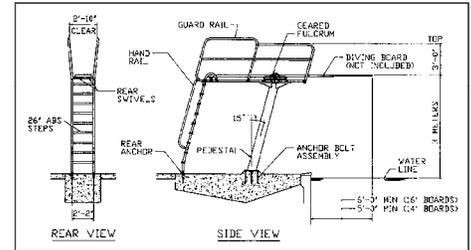


33-010

Diving Stands



34-075



PARAGON DIVING STANDS

Paragon Aquatics is known around the world as the premier manufacturer of world class commercial deck equipment.

PARAFLYTE DIVING STANDS — Are a family of stands available in three different grades of materials, to meet varying needs and budgets. All stands come complete with flanged pedestal, railings, safety handrails, 15° sloping ladder, front anchors, rear anchors, and diving board rear swivel assembly. Diving board ordered separately. When ordering, specify brand and length of diving board to be used and pool deck-to-water level dimension.

Ultraflyte, the top grade, uses 1.90" O.D. x .145" wall thickness stainless steel Type 304 tubing.

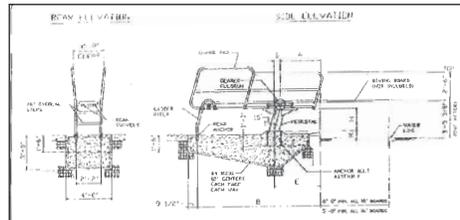
Superflyte, the general purpose mid-grade, uses 1.90" O.D. stainless steel type 304 tubing. Fulcrum supports and the base bar are .145" wall thickness. The ladder risers and rear legs utilize .109" wall thickness. All other tubular members utilize .065" wall thickness tubing.

Topflyte, the economy grade, uses 1.90" O.D. x .065" wall thickness Type 304 stainless steel tubing, except on the flexural members which use .145" O.D. wall thickness tubing. Flanged pedestals are listed with plain pedestals also available — Inquire.

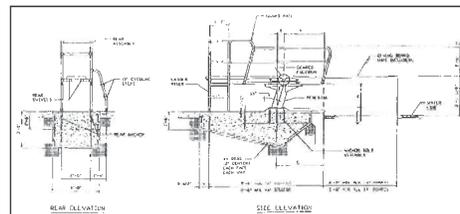
NOTE: See [pages 107-109](#) for diving boards, diving board accessories, and parts. See [page 110](#) for replacement steps and hardware.



34-095

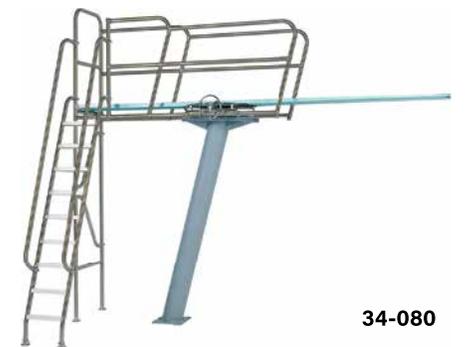


34-100

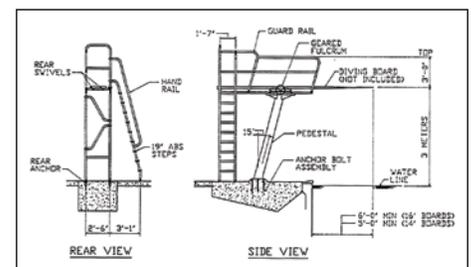


ONE METER DIVING STANDS — Stands come in three grades, Ultraflyte, Superflyte, and Topflyte. Diving board ordered separately. Specify brand and length of diving board to be used and pool deck-to-water level dimension when ordering.

- 34-095** Ultraflyte - flanged rear mount
- 34-100** Ultraflyte - flanged side mount
- 34-105** Superflyte - flanged rear mount
- 34-110** Superflyte - flanged side mount
- 34-111** Topflyte - flanged rear mount
- 34-112** Topflyte - flanged side mount



34-080



THREE METER DIVING STANDS — Stands come in three grades, Ultraflyte, Superflyte, and Topflyte. Diving board ordered separately. Specify brand and length of diving board to be used and pool deck-to-water level dimension when ordering.

- 34-075** Ultraflyte - flanged rear mount
- 34-080** Ultraflyte - flanged side mount
- 34-085** Superflyte - flanged rear mount
- 34-090** Superflyte - flanged side mount
- 34-091** Topflyte - flanged rear mount
- 34-092** Topflyte - flanged side mount



34-015

DURAFIRM DIVING STANDS

Durafirm diving stands are designed for use with Duraflex and Maxiflex diving boards. Stands are constructed from aluminum for strength, rigidity, and long life. All Durafirm diving stands are now provided with new, replaceable 2-piece slip resistant stair treads. By far the most popular stands for competitive diving.



NOTE: Durafirm Diving Stands and Duraflex Diving Boards can only be supplied to pools meeting FINA and local code safety standards. Measurement guides are required to be submitted to determine if your pool meets those standards.



34-015



34-035

DURAFIRM SHORT STANDS — Aluminum rear anchor assembly, fulcrum box and choice of stainless steel handrails. For mounting onto concrete platform. Custom handrails available and ordered separately. Anchors, Duraflex or Maxiflex diving boards ordered separately. Specify board length when ordering.

34-035 Double rails on two sides

34-050 Without handrails

34-055 Bronze deck anchors (set of 6)

36-140 Custom handrails



34-050



34-125

34-115

S.R. SMITH DIVING STANDS

STEEL DIVING STANDS — Powder coated steel diving stand. Each stand has beautiful sleek design with durable, double coated finish. Each stand includes pedestal and jig anchor assembly. Available in 1/2, 3/4, 1 meter heights and each stand is predrilled for optional stainless steel handrails. Diving board ordered separately.

Item	Description	Board Size
34-115	1/2 meter stand	10'
34-120	3/4 meter stand	10'
34-125	3/4 meter stand	12'
34-130	1 meter stand	10'
34-135	1 meter stand	12'
34-140	Handrail set	10'
34-145	Handrail set	12'

Diving Boards



35-020

DURAFLEX DIVING BOARDS

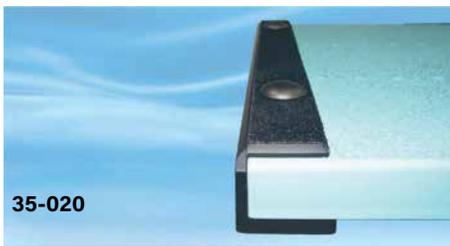
DURAFLEX DIVING BOARDS — Extruded aluminum construction with single-taper design. Includes $\frac{5}{8}$ " dia. anchor bolts.

- 35-005 14'
- 35-010 16'

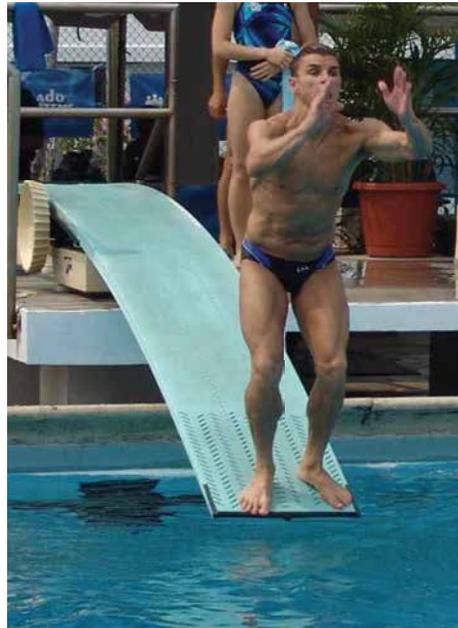
MAXIFLEX MODEL B DIVING BOARD — Extruded aluminum, dual-taper design with new reinforced board end. Slotted "cheeseboard" slots are installed to increase lift. Includes $\frac{5}{8}$ " dia. anchor bolts.

- 35-020 16'

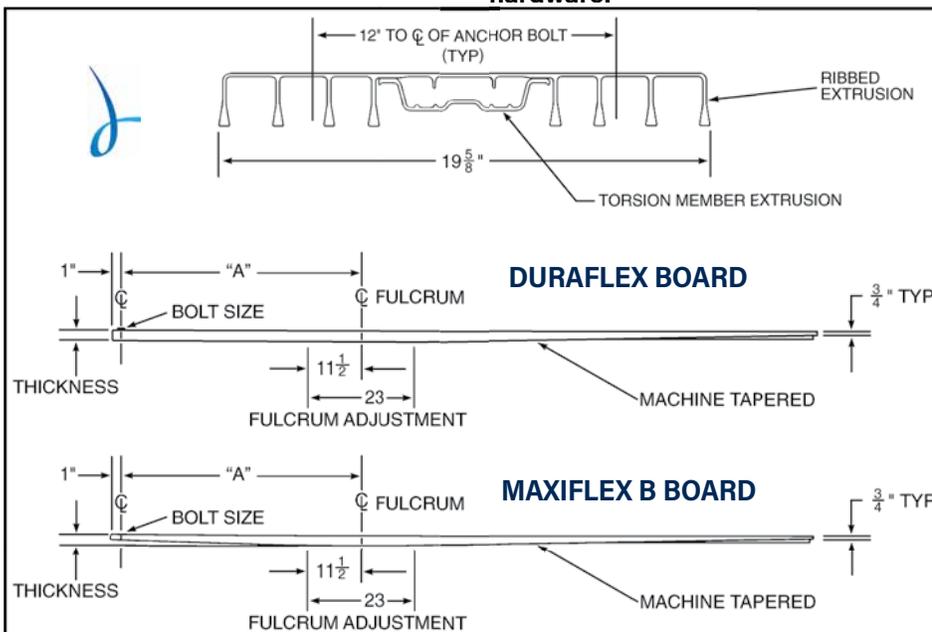
NOTE: Durafirm Diving Stands and Duraflex Diving Boards can only be supplied to pools meeting FINA and local code safety standards. Measurement guides are required to be submitted to determine if your pool meets those standards.



35-020



NOTE: See pages 106-107 for diving stands and diving board accessories. See page 109 for diving stand anchors. See page 110 for replacement steps and hardware.



S.R. SMITH DIVING BOARDS SWIM CLUB FIBERGLASS DIVING BOARDS

— Solid core fiberglass diving boards utilize a laminated wood core with a smooth backside that is reinforced at the fulcrum area. The board has an acrylic shell with resin woving and a non-slip sanded surface top. Includes: mounting hardware. Colors: marine blue or radiant white.

- 35-024 10'
- 35-025 12'
- 35-029 14'
- 35-034 16'



FRONTIER III FIBERGLASS DIVING BOARDS — Fiberglass reinforced core diving board with acrylic shell and flexible outer edge. This diving board has a matte backside and a non-slip sanded surface top. Includes mounting hardware. Colors: marine blue or radiant white.

- 35-051 10'
- 35-052 12'
- 35-053 14'
- 35-054 16'



35-045

OLYMPIAN ALUMINUM DIVING BOARD

Proven "I beam" extrusions with welded end construction. Safe, non-slip surface that resists wear. 12' board is 18" wide and the 14' and 16' boards are 20" wide. Includes mounting hardware. Colors: marine blue or radiant white.

- 35-039 10'
- 35-040 12'
- 35-045 14'
- 35-050 16'



Marine Blue

Radiant White



SAFETY PADDING SYSTEMS

SOFTSIDE™ SAFETY PADS — Designed specifically for aquatic applications. Used under slide flumes, spray features, and diving boards. Durable PVC covered-safety foam padding system meets all CPSC guidelines and complies with fall-zone regulations. Foam is totally watertight and is formulated with biocides to resist mold and algae growth. Can be installed underwater or above waterline, either indoors or outdoors. Very easy to maintain. For existing facilities, padding is "tapered on grade" and for new facilities, padding is "flush with grade." Includes mounting hardware. Padding material is colorfast and UV-stabilized to resist fading. Colors: white, light blue, Caribbean blue, or French blue. Available in 1/2" - 4" thick, with custom texture options. **2 Year Warranty.**

- 35-320** SoftSide Safety Pad, 3' x 4'
- 35-321** SoftSide Safety Pad, 3' x 5'
- 35-322** SoftSide Safety Pad, 4' x 6'
- 35-323** SoftSide Safety Pad, 4' x 8'
- 35-324** SoftSide Safety Pad, custom

Your Lincoln Representative can help you design the SoftSide Safety Pads to best meet your needs. Inquire.



35-185

DIVING STAND ANCHORS

PARAGON DIVING STAND ANCHORS — Paragon Diving Stands include **Anchor Bolt Assembly** when originally purchased. The **Flanged Stub Anchor** or the **Cage Anchor** can be substituted as the anchor for the flanged pedestal for additional charge, both available in carbon steel or stainless steel.

ANCHOR BOLT ASSEMBLY — Standard diving tower anchor. Includes template for accurate setting and alignment of flanged tower pedestal.

35-185



35-186

FLANGED STUB ANCHOR ASSEMBLY — For use when tower is supported by a foundation pad, on grade or in a framed beam, if it's at least 18" deep.

- 35-186** Carbon steel
- 35-187** Stainless steel



35-189

CAGE ANCHOR — For installation on a beam or slab of any thickness greater than 6". Must be used when diving tower is to be supported on a framed slab.

- 35-188** Carbon steel
- 35-189** Stainless steel



37-025

REAR ANCHOR ASSEMBLY Anchor for rear legs of Paragon diving stands. Two-piece heavy cast bronze with chrome plate upper flange.

37-025



34-010

34-055

DURAFIRM STAND ANCHORS — Cast bronze deck anchor for 1M and 3M stand, set of 8. Includes 1/2" x 5" bolts for positioning in cement and 5/8" x 1" bolts for layout positioning. Short stand anchors, set of six, same as 1M and 3M anchors, except does not include 5" bolt. For existing decks (1M and 3M stands) - Concrete threaded insert kit (set of 8) with epoxy. Available with or without epoxy dispenser. Stand anchor bolts purchased separately.

- 34-010** Deck anchors, set of 8 (1M & 3M)
- 34-055** Deck anchors, set of 6 (Short Stand)
- 34-065** Inserts w/disp, set of 8 (1M & 3M)
- 34-070** Inserts w/o disp, set of 8 (1M & 3M)
- 35-520** Anchor bolt, 5/8" x 1 3/4"
- 35-525** Anchor bolt, 5/8" x 2"
- 35-530** Anchor bolt, 5/8" x 2 1/2"
- 35-535** Anchor bolt, 5/8" x 3"

Diving Board Parts & Accessories



DURAFIRM STAND PARTS

GUARD RAIL PARTS

- 35-400 C107 Guard rail plug
- 35-405 C206 Rail bracket
- 35-105 C207 Stainless steel rail clamp
- 35-410 SF117 5/16" x 1/2" S.S. rail clamp bolt
- 35-110 SF118 5/16" x 5/8" S.S. rail clamp bolt
- 35-415 SF119 5/16" x 3/4" S.S. rail clamp bolt
- 35-420 SF153 5/16" x 7/8" S.S. rail clamp bolt

FULCRUM PARTS

- 35-425 515 Rubber bumper
- 35-430 516 Anti rattle clamp
- 35-517 517 Roller block assembly
- 35-135 518 Slide bearings
- 35-140 521 Roller clamps
- 35-435 522 Tie plate assembly with bolts, nuts & washers
- 35-145 524 Roller bearings
- 35-440 526 Tie plate bolt w/nut & washers
- 35-150 528 Anti-rattle bolt with lock nut
- 35-445 532 Expansion pin
- 35-155 533 Roller clamp stud w/lock nut

HINGE PARTS

- 35-115 C202 Hinge assembly w/bolts & nuts
- 35-450 C202A Hinge (male)
- 35-455 C202B Hinge (female)
- 35-120 C203 Hinge pin
- 35-125 C209 Hinge nyloner
- 35-130 C210 Hinge "O" ring
- 35-460 SF103 3/8" x 1" rd. head aluminum bolt with nut
- 35-465 SF106 3/8" x 1 1/2" hex head aluminum hinge bolt



35-100

RUBBER CHANNELS & SHIMS

- 35-470 MP107 Shim set, round, 6 phenolic/12 plastic
- 35-475 MP108 Shim set, square, 4 each of 7 thicknesses
- 35-480 MP110 Rubber channel set, 6" with glue
- 35-100 MP112 Rubber channel set, 30" with glue
- 35-486 Glue kit with adapter

PAINT & GREASE

- 35-490 MP105 Touch-up paint, 2 x 2 oz. bottles, buff
- 35-156 PM110 Grease gun
- 35-157 PM111 Grease

NOTE: These are the most commonly ordered Durafirm parts. Inquire for the other Durafirm parts you may need.



35-500

DURAFIRM STEP INSERT — Replaceable aluminum insert has non-skid texture like the Duraflex diving board surface. Includes replaceable insert and mounting hardware.

- 35-500 Replacement step insert only
- 35-505 Replacement ladder tread bolt with nut



DIVING BOARD ACCESSORIES

ANCHOR BOLTS — Includes: bolt with nut and washer. Priced as a set, each. Two sets required per board. Stainless steel.

- 35-070 1/2" x 6" 35-085 5/8" x 5"
- 35-075 1/2" x 5" 35-090 5/8" x 3 1/2"
- 35-080 1/2" x 4"

DIVING BOARD ANCHORING KIT — Kit includes: two aluminum anchoring plates, two rubber pads, 5 1/2" bolts, nuts, and washers.

- 35-094 18" wide
- 35-095 20" wide



35-095

35-180

FULCRUMS AND ACCESSORIES

SPLIT FULCRUM COVER — Slips on easily over 1 1/2" or 2" O.D. pipe. For nonadjustable fulcrums. Silences and protects diving boards.

- 35-180 20" wide



35-190

PARAGON DELUXE ADJUSTABLE FULCRUMS

— Cast bronze with chrome gear track and adjustable foot wheel. Calibrated with full view markings on gear track for competitive diving. Rubber fulcrum roller assembly has 24" adjusting range. Available in 2 sizes: 26" wide (center-to-center) for Paragon Rear Mount Stands and 30" wide for Paragon Side Mount Stands. Track length is 26" for both wide fulcrums. Includes stainless mounting hardware. Replacement fulcrum roller assembly includes: axle assembly, rubber sleeve, and stainless gears.

- 35-190 26" adjustable fulcrum
- 35-191 30" adjustable fulcrum
- 35-195 Foot wheel only
- 35-200 26" fulcrum roller assembly
- 35-201 30" fulcrum roller assembly



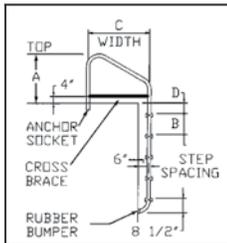
35-205

PARAGON REAR SWIVELS — Includes pair of swivels and collars for Paragon Diving Stands.

- 35-205 Rear swivel, Duraflex
- 35-210 Rear swivel, Maxiflex
- 35-215 Rear swivel, all other boards



36-195



COMMERCIAL LADDERS

PARAGON HEAVY DUTY CROSS BRACED LADDERS — Stainless steel cross braced ladders are designed especially for commercial use. Cross brace adds extra rigidity and strength. 1.90" O.D. tubing is available in three wall thickness, lighter duty .065" wall or heavier duty .109" wall & ultra duty .145" wall. Width of frame front to back is available in 24", 29" and 35" widths. Standard spacing between ladder rails is 19" (center-to-center of anchor). All ladders include cyclac non-skid steps and ladder bumpers. Requires two anchor sockets and escutcheons (extra).

CROSS BRACED LADDERS

24" WIDTH

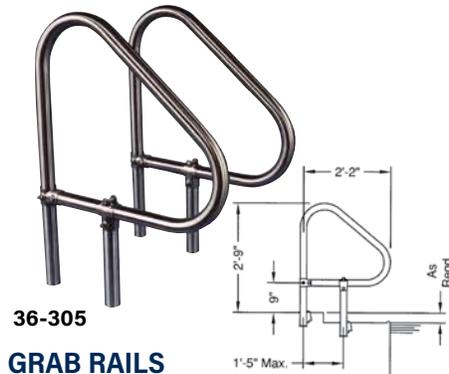
Style	.065"	.109"	.145"
2-step	36-145	36-150	36-155
3-step	36-190	36-195	36-200
4-step	36-220	36-225	36-230
5-step	36-250	36-255	36-260

29" WIDTH

Style	.065"	.109"	.145"
2-step	36-160	36-165	36-170
3-step	36-035	36-005	36-010
4-step	36-045	36-015	36-020
5-step	36-055	36-025	36-030

35" WIDTH

Style	.065"	.109"	.145"
2-step	36-175	36-180	36-185
3-step	36-205	36-210	36-215
4-step	36-235	36-240	36-245
5-step	36-265	36-270	36-275

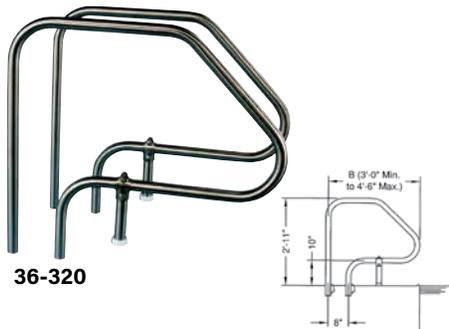


36-305

GRAB RAILS

PARAGON ADJUSTABLE GRAB RAILS — Adjustable front leg provides additional strength and rigidity. Front leg is adjustable in field so it can set atop curbs or into gutters. Requires four anchor sockets, four escutcheons, and recessed steps as needed (extra).

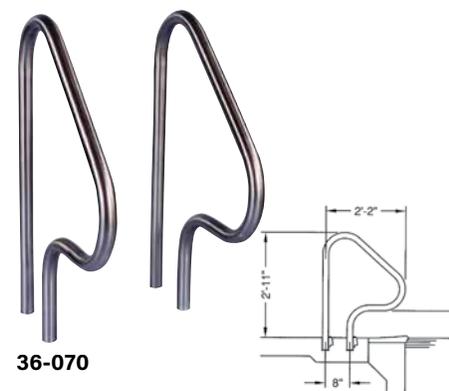
Style	.065"	.109"	.145"
Adjustable	36-300	36-305	36-310



36-320

PARAGON LONGREACH ADJUSTABLE GRAB RAILS — Sized to fit extra wide gutter system in increasingly popular "fast-pool" designs. Specify "B" dimension when ordering. Custom widths can range from 3'0" - 4'6". Requires four anchor sockets, four escutcheons, and recessed steps as needed (extra).

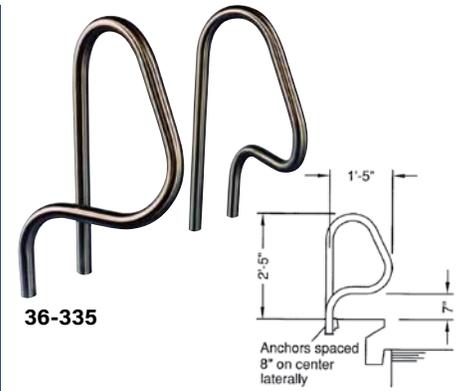
Style	.065"	.109"	.145"
Longreach Adjustable	36-315	36-320	36-325



36-070

PARAGON FIGURE 4 GRAB RAILS — Our most popular grab rails. For decks without unusual curbs or coping. Requires four anchor sockets, four escutcheons, and recessed steps as needed (extra).

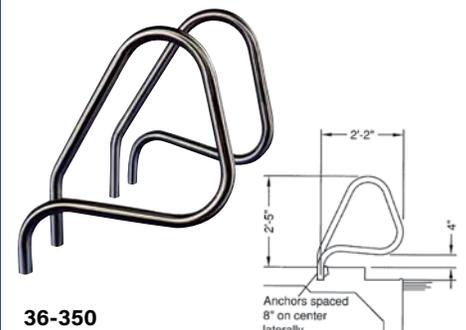
Style	.065"	.109"	.145"
Figure 4	36-065	36-070	36-075



36-335

PRETZEL BEND GRAB RAILS — Requires the least amount of deck width with the narrowest profile as the legs are offset laterally instead of front to back. Requires four anchor sockets, four escutcheons, and recessed steps as needed (extra).

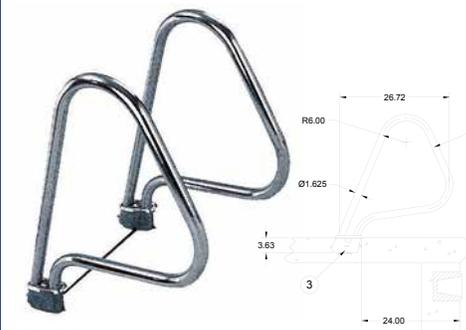
Style	.065"	.109"	.145"
Pretzel Bend	36-330	36-335	36-340



36-350

CALIFORNIA GRAB RAILS — Extra-wide grab rails to clear wide gutters. Legs offset laterally to minimize deck width requirements. Front end dips downward for a shorter reach for low water level pools. Requires four anchor sockets, four escutcheons, and recessed steps as needed (extra).

Style	.065"	.109"	.145"
California	36-345	36-350	36-355



36-080

COMMERCIAL RING GRAB RAILS — Stainless steel 1.625" O.D. tubing x .065" wall thickness. Requires anchor kit, escutcheons, and recessed steps in pool wall (extra).

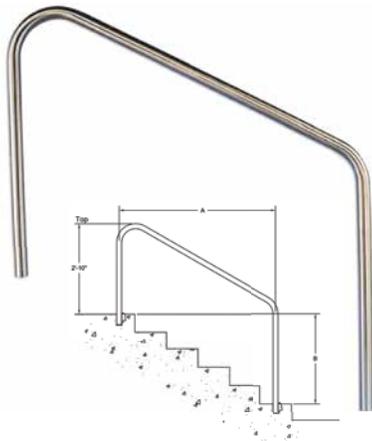
36-080 Commercial ring grab rails - pair

37-015 Double anchor socket assembly

37-020 Repl. wedge retrofit kit

NOTE: 1.50" O.D. Stainless Steel Ladders and Grab Rails are available, inquire.

Handrails & Railings



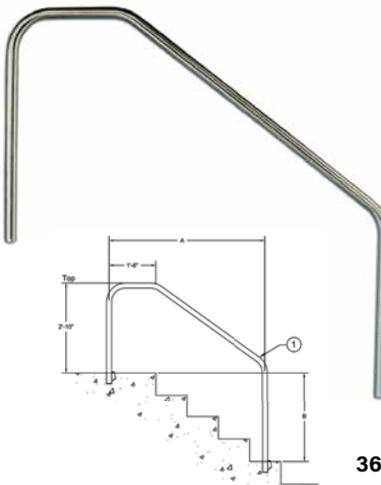
36-090

HANDRAILS

PARAGON 2-BEND HANDRAILS — 2-Bend Handrails allow you to have safe access to your pool. Front leg requires underwater anchor socket. Stainless steel 1.90" O.D. tubing x .065", .109" and .145" wall thickness. Requires two anchor sockets and escutcheons (extra).

2-BEND HANDRAILS

Size	.065"	.109"	.145"
48"	36-085	36-086	36-087
60"	36-090	36-091	36-092
72"	36-095	36-096	36-097



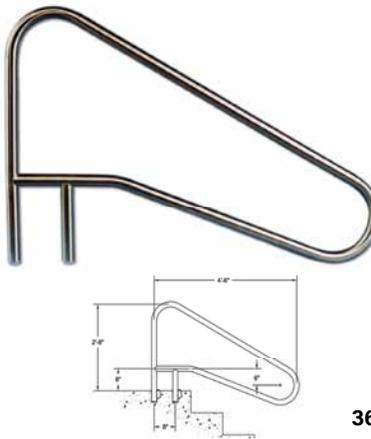
36-105

PARAGON 3-BEND HANDRAILS — 3-Bend Handrails feature a 18" horizontal transition to the sloping portion of the handrail. Handrail allows you to have safe access to your pool. Front leg requires underwater anchor socket. Stainless steel 1.90" O.D. tubing x .065", .109" and .145" wall thickness. Requires two anchors and escutcheons (extra).

3-BEND HANDRAILS

Size	.065"	.109"	.145"
48"	36-100	36-101	36-102
60"	36-105	36-106	36-107
72"	36-110	36-111	36-112

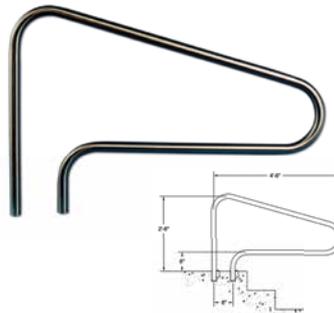
NOTE: 1.50" O.D. Stainless Steel Ladders and Grab Rails also available, inquire.



36-120

PARAGON DECK-MOUNTED WELDED RAILS — Sloping handrail for pool entry steps provided safe entry and exit from the pool. Welded rail offers greater rigidity than standard handrails. Does not require underwater anchor socket. Stainless steel 1.90" O.D. x .065" wall thickness. Requires two anchors and escutcheons (extra).

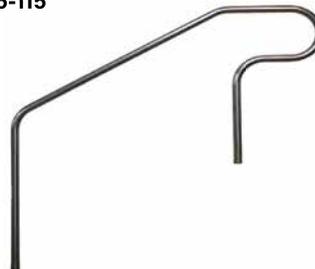
36-120



36-115

PARAGON DECK-MOUNTED HORIZONTAL RAILS — Deck Mounted Rails allow you to have safe access to your pool without the need for an underwater anchor socket. Stainless steel 1.90" O.D. x .065" wall thickness. Requires two anchors and escutcheons (extra).

36-115



36-435

ADA STAIR RAILS
ADA 2-BEND EXTENDED STAIR RAILS
 ADA Stair Rails are 34" high to meet ADA guidelines. 2-bend handrail is designed with an extended loop at the top of the rail to meet ADA requirements. 1.90" O.D. x .065" wall thickness. Requires two anchor sockets and escutcheons (extra).

Size	.065"
48"	36-430
60"	36-435
72"	36-440



ADA TRANSFER RAILS

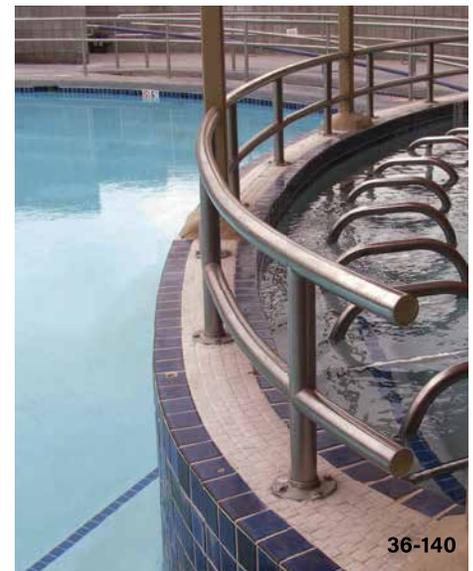
ADA TRANSFER RAILS — Allows users to independently access your pool or spa. Bent or straight rails with or without flanges are available in 12", 14", 16" and 18" lengths and are 5.75" high to meet ADA requirements. 1.50" O.D. x .120" wall thickness, 316L marine grade SS. Includes mounting hardware.

ADA BENT TRANSFER RAILS

Size	With Flanges	Without Flanges
12"	36-450	36-455
14"	36-460	36-465
16"	36-470	36-475
18"	36-480	36-485

ADA STRAIGHT TRANSFER RAILS

Size	With Flanges	Without Flanges
12"	36-490	36-495
14"	36-500	36-505
16"	36-510	36-515
18"	36-520	36-525



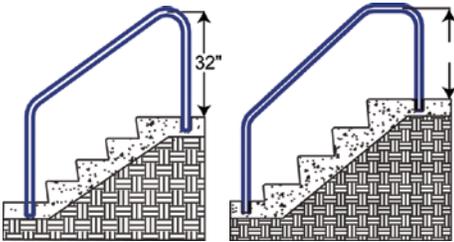
36-140

CUSTOM LADDERS & RAILS

PARAGON CUSTOM LADDERS/HANDRAILS — Custom fabricated railings exclusively from Paragon Aquatics. We can help you with any facility needs with our design and engineering team. Available in our standard 1.90" O.D. or smaller 1.50" O.D. stainless steel tubing.
 36-280 Custom Ladders
 36-140 Custom Handrails



SAFTRON HANDRAILS & LADDERS
SAFTRON DECK-TO-POOL HANDRAILS — Contains fully reinforced, encapsulated marine grade aluminum that provides superior strength and durability.

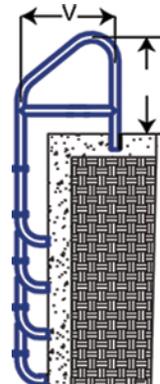


Size	2 Bend	3 Bend
48"	36-700	36-702
60"	36-701	36-703
66"	.	36-704
72"	.	36-705



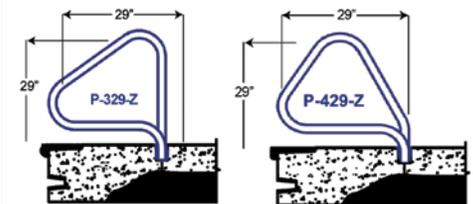
SAFTRON CROSS-BRACED LADDERS
 Saftron high impact polymer ladders are made to ensure longevity and unparalleled resistance to the elements, UV, and chemicals while requiring virtually no maintenance. They are guaranteed to keep their smooth, bright finish for many years.

Size	3 Step	4 Step	5 Step
24"	36-706	36-707	36-708
30"	36-709	36-710	36-711
36"	36-712	36-713	36-714

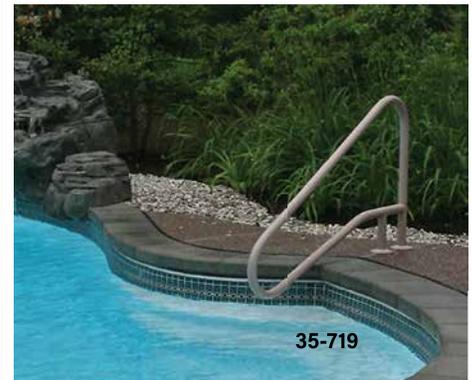


36-716

SAFTRON PRETZEL RAILS — Saftron Ring Rails and Pretzel Rails contain reinforced, with fully encapsulated steel that provides superior strength and durability.



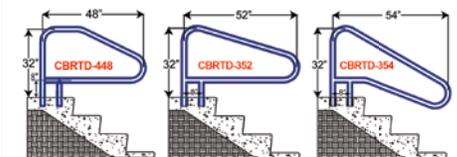
Size	2 Bend	3 Bend
29"	36-715	36-716



35-719

SAFTRON RETURN-TO-DECK RAILS
 Commercial series. High impact polymer rails utilize fully encapsulated marine grade aluminum, which is reinforced for durability.

Cross Braced Return-to-Deck Rails (3 & 4 Bend)



- 36-717** 4 Bend Horizontal Rail, 48"
- 36-718** 3 Bend Horizontal Rail, 52"
- 36-719** 3 Bend Sloping Rail, 54"

ADVANTAGES:

- NO Bonding / Grounding Required
- Industry Standard Designs and Sizes
- Superior Rigidity, Strength and Durability
- Best Choice for Salt-Chlorinated Pools
- Does NOT Get Hot in the Sun
- No Rusting, Scaling, Pitting or Fading
- Impervious to Pool Chemicals
- 5 Year Warranty on Pool Rails and Ladders
- Smooth, Glossy, Easy to Clean Surface



36-006

AVAILABLE IN 6 STANDARD COLORS



Handrail Accessories & Anchors



HANDRAIL COVERS

KOOLGRIP HANDRAIL COVERS

Neoprene covers with zipper closure provides sure grip on rails when entering or exiting pool or spa. Material insulates rail surface against heat and cold. SureGrip hand area for slip-resistance. Commercial grade neoprene fabric with UPF/UV inhibitors and anti-bacterial treatment. Reinforced, double sewn and glued seams, with easy-pull zipper. Fits standard rails from 1.625" to 1.90" OD. Install 6-8" above water line. Colors: Royal Blue, Indian Teal, and Desert Tan.

- | | |
|------------------|-------------------|
| 35-333 1' | 35-340 6' |
| 35-334 2' | 35-345 8' |
| 35-335 4' | 35-350 10' |



ANCHORS

PARAGON BRONZE ANCHOR SOCKET

4" deep anchor for 1.90" O.D. and smaller 1.50" O.D. rails. Fits all wall thickness stainless steel tubing. Includes wedge anchor.

Description	1.90" O.D.	1.50" O.D.
Bronze Anchor Socket	37-005	37-004
Repl. Wedge Assembly	37-010	37-009



SR SMITH STAINLESS STEEL ANCHOR CHANNEL SETS

—Marine grade 316 stainless steel 8" or 20" anchor channel sets. 4" wedge anchors ideal for rails with 8" anchor spacing or ladders with 19" and 20" anchor spacing. Stanchion anchor set kit recommended for basketball games with 17.5" anchor spacing.

- 37-195** 1.90" OD 8" Spacing
- 37-200** 1.50" OD 8" Spacing
- 37-205** 1.90" OD 20" Spacing
- 37-210** 1.50" OD 20" Spacing
- 37-215** 1.90" OD 8" Spacing Dual Stanchion

SR SMITH STAINLESS STEEL ANCHOR

Marine Grade 316 stainless steel provides high corrosion resistance for harsh pool environments. Wedge anchor model for ladders and rails.

- 37-185** 4" SS wedge anchor (1.90" OD)
- 37-190** 4" SS wedge anchor (1.50" OD)

STAINLESS STEEL ANCHOR SOCKET

New Paragon 6" deep stainless steel anchor for 1.50" O.D. rails. Fits all wall thickness stainless steel tubing. Includes wedge anchor.

Description	1.50" O.D.
Stainless Steel Anchor	37-026
Repl. Wedge Assembly	37-009



PARAGON REAR ANCHOR ASSEMBLY

— Used to anchor rear legs of all Paragon diving stands. Two-piece heavy cast bronze with chrome plated upper flange.

37-025

PARAGON GUARD CHAIR PEDESTAL ANCHOR ASSEMBLY

— Stainless steel anchor for Paragon permanent guard chairs only.

37-021



37-031 **37-030** **37-035** **37-040**

ESCUTCHEONS

ESCUTCHEONS — For covering anchor socket deck penetrations. Available in 1.90" O.D. and 1.50" O.D. tubing.

Description	1.90" O.D.	1.50" O.D.
Paragon Deluxe S.S.	37-028	37-029
Paragon Stainless Steel	37-030	.
Paragon CPB	37-035	.
Round Stainless Steel	37-040	37-031



37-045 Double Escutcheon, plastic, each

LADDER ACCESSORIES

HANDRAIL STABILIZING PLUGS

— Insert plug into end of handrail to provide permanent supporting surface for anchor to tighten onto. For use with 1.90" O.D. rails.

37-048



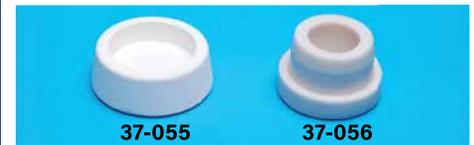
37-048



37-050 **37-051** **37-052**

CRADLE HEAD BOLT ASSEMBLY — Stainless steel bolt, nut and washer for use with replacement ladder treads. Replacement bolt assembly must match ladder tread manufacturer for best fit.

- 37-050** Paragon, 2³/₄" L x 5⁵/₁₆" dia.
- 37-051** S.R. Smith, 2¹/₂" L x 3³/₈" dia.
- 37-052** S.R. Smith, 3¹/₄" L x 3³/₈" dia.
- 37-053** S.R. Smith, 2³/₄" L x 5⁵/₁₆" dia.



37-055 **37-056**

LADDER BUMPERS — Protects pool finish from damage by ladder end or wall goal end. Fits .145", .109" and .065" wall thickness.

- 37-055** Female Bumper, each
- 37-056** Male Bumper, each

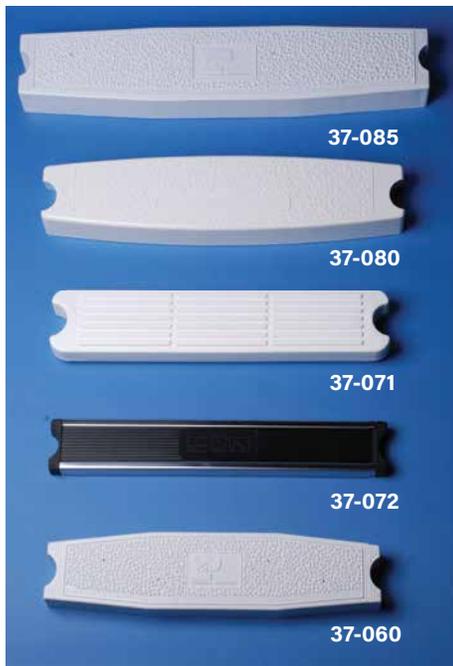
UNIVERSAL LADDER BUMPERS

— Protects pool finish from damage by ladder end. Fits .065" wall thickness ladders only.

- 37-054** Universal Bumper



37-054



LADDER TREADS

REPLACEMENT LADDER TREADS

For ladders, guard chairs/stands and diving stands. Measurements below indicate the overall width (O.D.) of the tread and the inside width (I.D.) for the distance between rails on the tread. All Paragon treads include cradle head bolt assembly.

VERTICAL LADDER TREADS

Item	Description	Width	
		O.D.	I.D.
37-060	Paragon 19" cycolac	18 ³ / ₁₆ "	17"
37-071	S.R. Smith 20" HIP	19 ¹⁵ / ₁₆ "	18"
37-072	S.R. Smith 20" Elite	19 ¹ / ₈ "	18"
37-085	Paragon 26" cycolac	25 ¹ / ₄ "	24"

SLOPING LADDER TREADS

Item	Description	Width	
		O.D.	I.D.
37-065	Paragon 19" cycolac	18 ³ / ₁₆ "	17"
37-073	S.R. Smith 20" Elite	19 ¹ / ₈ "	18"
37-080	S.Q. 22" cycolac	21 ¹ / ₈ "	20"
37-090	Paragon 26" cycolac	25 ¹ / ₄ "	24"



37-110

RECESSED STEPS

FULLY-RECESSED STEPS — Fully recessed steps provide a flush finish for pool wall.

Description	Overall Width	Item
Paragon frost proof white	17 ¹ / ₂ "	37-110
Paragon stainless steel	16 ¹ / ₂ "	37-115



SAFETY LADDER TREADS

SAFETY STEP KIT — Convert your pool ladder into a safety ladder. Twice as wide as a conventional step. Extends to the pool wall giving added support to the feet. Side skirts are included preventing automatic pool cleaners from becoming entangled in the ladder. Kit includes: 8" wide by 19" long cycolac steps, side skirts, rubber bumpers and stainless steel hardware.

- 37-057 2 step kit
- 37-058 3 step kit
- 37-059 4 step kit
- 37-061 5 step kit



37-120

PIT ACCESS STEPS

LINCOLN POLYPRO PIT STEPS — Black polypropylene pit step with 1/2" steel reinforcing bar for new construction or add to your existing filter, surge or pump pit. Allows for safe and easy access with textured slip-resistant step and high visibility reflectors. Size: 15 1/4" wide.

37-120



38-044

38-047

38-048

PARAGON GUARD CHAIR PARTS

- 38-044 Rubber base pad, each
- 38-047 Umbrella ring holder
- 38-048 Umbrella ring guide



37-130

REPLACEMENT GUARD SEATS

PARAGON GUARD SEAT — Fiberglass guard seat with pre-drilled holes. Includes: stainless steel mounting bolts.

- 37-130 Paragon Guard Seat, turquoise
- 37-131 Paragon Guard Seat, white



37-122

PARAGON CUSHIONED GUARD SEAT

Plastic seat with cushion for added comfort. Seat can be folded down to prevent UV damage to vinyl. Available so you can **upgrade** new Paragon lifeguard chairs with the cushioned seat or you can **retrofit** to existing Paragon lifeguard chairs in the field.

- 37-121 Cushioned Guard Seat, upgrade
- 37-122 Cushioned Guard Seat, retrofit



37-125

PARAGON GUARD SEAT SWIVEL & PEDESTAL — Stainless steel swivel & pedestal assembly. Guard seat ordered separately.

37-125



37-135



37-137

S.R. SMITH REPLACEMENT GUARD SEAT

— Available as Replacement Seat and Swivel (bolt hole pattern is 5 1/4" square) or as Blank Replacement Seat only without pre-drilled bolt holes and swivel. Seat color: white.

- 37-135 S.R. Smith Seat with Swivel
- 37-136 S.R. Smith Seat, Blank
- 37-137 S.R. Smith Swivel only

Guard Chairs



38-056

38-061

PLASTIC GUARD CHAIRS

CHAMPION™ GUARD CHAIRS – Recycled plastic guard chair won't rot, splinter or require paint. Ultra-smooth surface with contoured back, umbrella holder and cup holder. All stainless steel hardware. Four styles to choose from: the **No Step Guard Chair**, the **Front Step Guard Chair** which provides an easier approach to get in the chair and a comfortable footrest for your guard, the **Side Step Guard Chair** which allows you to place the chair closer to the pool edge, and the **Front Ladder Guard Chair** which has an easy access ladder for the guards. Specify color: white, green, sand or cedar. **3 Year Warranty.**

CHAMPION™ NO STEP GUARD CHAIRS

Item	Seat Height	Overall Height	Platform Kit
38-061	30"	51"	38-056



38-071

CHAMPION™ SIDE STEP GUARD CHAIRS

Item	Seat Height	Overall Height	Platform Kit
38-072	50"	70"	38-076
38-071	64"	85"	38-077
38-073	72"	93"	.



38-063



38-064

CHAMPION™ FRONT LADDER GUARD CHAIRS

Item	Seat Height	Overall Height
38-064	50"	70"
38-063	64"	85"



38-057



38-058

CHAMPION™ FRONT STEP GUARD CHAIRS

Item	Seat Height	Overall Height
38-057	30"	51"
38-058	40"	61"
38-059	50"	70"



SR SMITH SENTRY GUARD CHAIRS

Constructed from high-density polyethylene (HDPE) with 316 marine grade stainless steel hardware. These guard chairs provide great visibility for your guards at your pool facility. Available in 3 heights. 30" chair- comes with brackets to anchor to the pool deck. 42" and 66" chairs are pre-drilled for concrete anchors. 66" chair is also available with additional center support for high wind environments. Cup and umbrella holder is included on each chair. Wheel kits are available to aid in transporting the chairs. Life Ring Hook and Anchors ordered separately. Color: white.

Item	Seat Height	Overall Height	Wheel Kit	Anchors
38-600	30"	47"	38-620	38-635
38-605	42"	59"	38-625	38-640
38-610	66"	84"	38-625	38-640
38-615	66" w/support	84"	38-625	38-640
38-630	Life Ring Hook			



38-080
38-085

PORTABLE GUARD CHAIRS

LINCOLN GUARD STATION — Director chair design with GUARD and white cross embroidered on rubber backed canvas. Forward pedestal allows guards to stand without leaving their station. Fluted PVC over aluminum frame construction. 31" seat height. Includes wheels for convenient transportation on deck. Optional storage box clips on either side of chair for holding guard supplies.

- 38-080** Lincoln Guard Station
- 38-085** Storage Box

LINCOLN GUARD STATION PARTS

- 38-081** Replacement fabric seat/back



38-045

SR SMITH 6' PORTABLE GUARD CHAIR

— 6' tall lifeguard chair allows lifeguards to easily scan large pool areas. This guard chair is easily movable to different positions at your facility. The seat swivels 45-degrees for focused scanning. Required deck space: 59" x 61". Seat height: 73". Handrails and seat post are 304 stainless steel.

- 38-045**

SR SMITH CHAIR PARTS

- 37-173** Stainless ladder tread
- 37-135** Repl. seat with swivel
- 37-136** Repl. seat only
- 37-138** Repl. wheel
- 37-139** Repl. plastic end caps
- 37-141** Repl. leg cover, white



38-035

PARAGON MOVABLE GUARD CHAIRS — Allows you to move chair to the most desirable life guarding location. .065" thickness stainless steel with cyclac steps. Semi-pneumatic front wheels. Includes rescue tube and umbrella holder.

- 38-034** Movable Guard Chair, 4'
- 38-035** Movable Guard Chair, 6'

PARAGON MOVABLE CHAIR PARTS

- 37-090** Paragon 26" sloping tread, cyclac
- 38-041** Solid rubber wheel, 7", each
- 37-064** Paragon Guard Chair foot board



38-068

ALL TERRAIN GRIFF'S GUARD STATION

Designed to work on any terrain with large pneumatic wheels, which lock or remove in seconds. Station provides front and rear access for quick emergency response. Features: cushioned swivel seat and zip-on safety grip covers. Optional railing powder-coat upgrade available.

- 38-067** All Terrain Griff's Guard Station, 4'
- 38-068** All Terrain Griff's Guard Station, 5'
- 38-069** All Terrain Griff's Guard Station, 6'
- 38-090** Powder-coat upgrade

ALL TERRAIN GRIFF'S STATION PARTS

- 37-090** Paragon 26" sloping tread, cyclac
- 38-043** All Terrain Wheel, each
- 38-044** Rubber base pad, each
- 37-068** All Terrain Guard Chair foot board
- 38-042** Replacement zip-on safety covers



38-033

PARAGON ROVER GUARD CHAIR

— The Rover Guard Chair is designed for pools where the lifeguard chair must be anchored yet still be capable of being moved to accommodate your facility needs. The rear legs are set into sockets anchored in the deck while the front legs have wheels for easy relocation of the guard stand. Includes: two anchors.

- 38-033** Paragon Rover Guard Chair, 6'

ROVER GUARD CHAIR PARTS

- 37-065** Paragon 19" sloping tread, cyclac
- 38-041** Solid rubber wheel, 7", each
- 37-069** Rover Guard Chair foot board
- 37-005** Bronze anchor socket
- 37-010** Replacement wedge assembly



38-055

PARAGON PORTABLE GUARD CHAIRS

— Lightweight chair with sloping front ladder allows easy access to fiberglass seat. .065" wall thickness stainless steel frame with angled legs gives extra stability. Rescue tube and umbrella holder not available with this guard chair. Optional wheel kit allows for easier movement around your pool deck.

Item	Model	Seat Height	Wheel Kit
38-050	2-Step	3'10"	38-051
38-055	3-Step	4'6"	38-052
38-060	4-Step	6'	38-053

PARAGON PORTABLE CHAIR PARTS

- 37-065** Paragon 19" sloping tread, cyclac
- 37-055** Rubber leg cap, each
- 38-049** Plastic wheel, each

Guard Chairs



38-005

PERMANENT GUARD CHAIRS

PARAGON OSHA GUARD CHAIR

Designed for usage that requires chairs to comply with federal OSHA regulations. Guard rails are 42" above the platform and extend to the front of the platform. Fiberglass swivel guard seat. Includes rescue tube and umbrella holder. Complete with pedestal anchor, rear anchors and escutcheons.

38-005 OSHA Guard Chair, 6'

PARAGON OSHA CHAIR PARTS

37-065 Paragon 19" sloping tread, cyclolac

37-035 Paragon CPB escutcheon

37-063 Paragon Guard Chair foot board



38-025

PARAGON LADDER AT SIDES GUARD CHAIR

Two access ladders, one at each side, allow the lifeguard to dismount quickly and safely from either side. Provides additional security of unbroken surveillance during guard changes. Fiberglass swivel guard seat. Includes rescue tube and umbrella holder. Complete with pedestal anchor, ladder anchors and escutcheons.

38-025 Ladder at sides Guard Chair, 6'

PARAGON LADDER AT SIDES PARTS

37-065 Paragon 19" sloping tread, cyclolac

37-035 Paragon CPB escutcheon

37-066 Paragon Guard Chair foot board



38-010

PARAGON PARAFLYTE GUARD CHAIRS

Ladder at rear with flared guard rails provides easy access to the platform. Horizontal rails provide protection and serve as arm rests. Ultraflyte available in .145" wall thickness stainless steel and Superflyte available in .065" wall thickness stainless steel. Fiberglass swivel guard seat. Includes rescue tube and umbrella holder. Complete with pedestal anchor, rear anchors and escutcheons.

38-010 Ultraflyte Guard Chair, 6'

38-015 Superflyte Guard Chair, 6'

PARAGON PARAFLYTE CHAIR PARTS

37-065 Paragon 19" sloping tread, cyclolac

37-035 Paragon CPB escutcheon

37-067 Paragon Guard Chair foot board



38-031

PARAGON PARAFLYTE CLUB GUARD CHAIR

Acclaimed Paraflyte styling and quality. A single anchor at pedestal base supports the entire chair. The vertical access ladder requires less deck space and does not need separate anchors. Includes Pedestal Anchor. Rear anchors and escutcheon plates not required.

38-031 Paraflyte Club Guard Chair, 6'

PARAGON PARAFLYTE CLUB CHAIR PARTS

37-065 Paragon 19" sloping tread, cyclolac

37-067 Paragon Guard Chair foot board



43-080

LIFEGUARD UMBRELLAS

LIFEGUARD UMBRELLA — Heavy-duty vinyl umbrellas with bound valance. Two-piece aluminum pole with push button tilt allows user to position the umbrella so they can protect themselves from the sun. Size: 6' dia., with 7' H x 1 1/2" dia. pole. Colors: red/white, navy/white, royal blue/white, or hunter green/white.

43-080



43-090

KEMP LIFEGUARD UMBRELLAS

Available with weather-resistant nylon fabric with vinyl laminate white trim or all vinyl fabric. Highly visible "LIFE GUARD" imprinted for easy identification of your Lifeguard stations. Size: 6' dia. with 7 1/2" H x 1 3/8" dia. pole with push button tilt. Color: red or royal.

43-090 Nylon, 6 1/2' dia.



43-084

WIND WARRIOR UMBRELLA — Protects from damaging UV rays and keeps guards 15° cooler. Vented mesh design lets wind pass through for added stability. Size: 6 1/2' dia. with 7 1/2" H x 1 1/4" dia. pole with push button tilt. Color: silver with blue or silver with green under canopy. Includes carry bag.

43-084



37-156

GUARD STANDS

PARAGON LOOKOUT CHAIRS — Designed for pools that do not require a full height chair, but want to separate guard from patrons. All Lookout chairs feature an elevated 360° swivel seat, for easy access. 40" x 38" slip resistant top. Wheels included on 2 and 3 step models for portability.

Item	Model	Platform Size	Seat Height
37-156	3-Step	48"W x 55"D x 70"T	54"
37-158	2-Step	38"W x 40"D x 58"T	42"
37-162	1-Step	38"W x 40"D x 38"T	30"

LOOKOUT CHAIR PARTS

- 37-085 Paragon 26" vertical tread, cyclolac
- 37-055 Rubber leg cap, each
- 38-049 Plastic wheel, each



37-158



37-162



37-164

LOOKOUT DUAL SIDE MOUNT CHAIR — Guard stand provides convenient access for lifeguards from both sides of the stand. Wheels on the front legs allow for easy relocation of the chair. Stainless steel construction with 48" x 48" fiberglass slip resistant top. Seat height is 54" from deck. Includes umbrella and rescue tube holder.

37-164



37-165

LOOKOUT PLATFORM CHAIR — Designed for busy aquatic centers and water parks. Allows for uninterrupted guard changes with sloping ladder on both sides of the stand. Stainless steel construction with 40" x 60" fiberglass slip resistant top. Seat height is 54" from deck. Includes umbrella and rescue tube holder.

37-165



38-065

GRIFF'S GUARD STATION — Wide front entry elevated viewing station provides easy access for Life Guards. Griff's Sun Shade that raises, tilts, and rotates for all day sun protection, ordered separately. Available in 7 colors - inquire.

Model	Without Shade	Sun Shade	Station Size (W x D x T)	Seat Ht.
Flat	38-065	38-135	62 ³ / ₄ " x 59 ¹ / ₂ " x 65 ¹ / ₂ "	42"
Step	38-070	38-140	60" x 59 ¹ / ₂ " x 80"	42"
Tall	38-075	38-145	97" x 61" x 104"	48"

GRIFF'S GUARD STATION PARTS

- 37-055 Rubber leg cap, each
- 38-041 Solid rubber wheel, 7", each
- 38-131 Repl. Sun Shade canopy only



38-195

GRIFF'S VISION GUARD STATION — Design minimizes deck space while maximizing the frontal edge of the guard station for increased lifeguard effectiveness. Dual access assures that swimmers are covered during shift changes. Includes: cushioned swivel seat, non-skid decking, umbrella holder and rescue tube/life ring holder. Available with or without adjustable shade structure. Vision Sun Shade that raises, tilts, and rotates, ordered separately. Available in 7 colors - inquire.

Model	Without Shade	Station Size	Seat Ht.
3-Step	38-190	87"W x 50 ³ / ₄ "D	56"
2-Step	38-195	87"W x 50 ³ / ₄ "D	44"
1-Step	38-200	81 ³ / ₄ "W x 50 ³ / ₄ "D	32"
38-205	Vision Sun Shade Structure, complete		

Lifeguard Apparel



41-032

WOMEN'S LIFEGUARD SUITS

TYR® MANTRA CUTOUTFIT SUIT — Featuring a low neckline, sleek/flexible straps, low back and high cut leg, the Cutoutfit is ideal for athletes who want minimal coverage with reliable support. TYR Durafast One® 100% Polyester. Specify Size: 26-30. Color: red.

41-032



TYR® DIAMONDFIT SUIT — Featuring a medium neckline, sleek/flexible straps, keyhole back and moderate cut leg, the Diamondfit is ideal for athletes who want reliable coverage during every swim. TYR Durafast One® 100% Polyester. Specify Size: 26-40. Color: navy or red.

41-035



TYR® MAXFIT SUIT — Featuring a medium neckline, thick/supportive straps, keyhole back and moderate cut leg, the Maxfit is ideal for athletes who want fuller coverage that won't weigh them down. TYR Durafast One® 100% Polyester. Specify Size: 30-42. Color: navy or red.

41-040



TYR® DIAMONDFIT TOP Featuring a medium neckline and sleek/flexible straps, the Diamondfit top is ideal for athletes who want reliable coverage during every swim. TYR Durafast One® 100% Polyester. Specify Size: XS-XL. Color: navy or red.

41-045



LIFEGUARD SHIRTS

TYR® SHORT SLEEVE RASHGUARD

The Short Sleeve Rashguard boasts a quick drying construction, making it the ideal choice for lifeguards on the go. With moisture wicking fabric and UPF 50+ technology, TYR rashguards promise to work as hard as you do. Specify Size: XS - XXL. Color: white.

41-085 Short Sleeve Shirt Rashguard, Men's

41-090 Short Sleeve Shirt Rashguard, Women's



LIFEGUARD SHORTS TYR® MEN'S DECK SHORT

— 100% Nylon construction for breathable comfort and accelerated dry time. In addition to an elastic waistband and mesh liner, this go-to deck short also includes a 6" base inseam for relaxed support. Specify Size: S, M, L, XL, XXL. Color: black, navy or red.

41-004

TYR® MEN'S CHALLENGER SHORT

— 100% sanded polyester construction for accelerated dry time during every wear. Features full waist elastic with an adjustable drawcord, a 9.5" inseam and a boxer style liner for comfortable support. Specify Size: S, M, L, XL, XXL. Color: black, navy or red.

41-007



TYR® MEN'S AERO TRUNK

— 100% sanded polyester construction for accelerated dry time during every wear. Features full waist elastic with an adjustable drawcord, a 9.5" inseam and a built-in liner for comfortable support. Specify Size: S, M, L, XL, XXL. Color: navy or red.

41-013



TYR® WOMEN'S LAYLA BOARDSHORT

Features a smocked elastic waistband and 4" back zipper for small storage. 86% Recycled Polyester / 14%Spandex. Specify Size: S-XL. Color: red.

41-009



KEMP GUARD "T" SHIRTS — 100% cotton "T" shirts with GUARD logo printed on the front and on the back. Multiple colors and custom logos available. Color: white with red logo. Size: S, M, L, XL & XXL.

41-105 S, M, L, XL

41-106 XXL



KEMP GUARD TANK TOP SHIRTS — 100% cotton tank tops with GUARD logo printed on the front and on the back. Multiple colors and custom logos available. Color: white with red logo. Size: S, M, L, XL & XXL.

41-107 S, M, L, XL

41-108 XXL



KEMP GUARD SWEATSHIRT — 100% cotton sweatshirt with GUARD logo printed on the front and on the back. Heavy weight sweatshirt material for warmth. Multiple colors and custom logos available. Color: red with white logo. Size: S, M, L, XL & XXL.

41-110



TYR WOMEN'S ELITE HOODIE — Warm tech knit construction with fully adjustable hood. Includes full length zipper and convenient pocket for storage. Ideal post-swim pullover. Fabric Content: 78% Polyester/17% Rayon/5% Spandex. Colors: Heather/Grey or Heather/Navy. Sizes: XXS, XS, S, M, L, XL, XXL.

41-109



TYR PARKA — Soft, brushed outer shell and honeycomb brushed inner lining. Provides 25% additional warmth traditional parkas. Ideal for training days and swim meets. Waterproof and wind resistant and includes both an inner phone pocket and adjustable hood. Colors: black, navy, or red. 100% Polyester. Sizes: L or XL.

41-115



TYR LIFEGUARD CAP — The lifeguard cap is low-profile, fitted cap with sewn eyelets. It has 6 panels and an adjustable hook and loop strap in back for the perfect fit. Lifeguard and Cross logo embroidered on front. Available in three (3) colors; Navy, Red, and White.

41-335



41-367

LINCOLN GUARD SHARK VISOR — Red cotton visor with adjustable Velcro closure. GUARD embroidered on front with Lincoln Guard Shark on side of headband. One size fits all. Color: red.

41-367



42-007

CLASSIC LIFEGUARD STRAW HAT — Woven straw hat with adjustable drawstring chin strap. Provides more sun protection due to tighter straw weave and broader rim. One size fits all.

42-007



42-100

42-101

SUN PROTECTION

SUN X SUNSCREEN LOTION — FDA Compliant broad spectrum sunscreen. SPF 30 contains aloe vera gel with vitamin E and is PABA Free. SPF 50 formula is Oxybenzone and Paraben free. Both are FDA Rated Water Resistant for maximum duration time of 80 minutes. Order hand pump for 1-gallon bottle separately.

42-100 Sun X SPF 30 sunscreen, 1 gallon

42-101 Sun X SPF 50 sunscreen, 1 gallon

42-103 Sun X Hand Pump



SUN X LIP BALM — FDA Compliant broad spectrum, moisturizing lip balm, SPF 50 formula. Oxybenzone and Paraben free. Case of 72.

42-172 Sun X SPF 50 Lip Balm- case

Lifeguard Supplies



42-046

LIFEGUARD FANNY PACKS

LIFEGUARD FANNY PACK — Made to withstand the rigorous use of lifeguards. Durable, tear-resistant nylon construction. Features heavy duty adjustable 45" waist strap and three water-resistant zipper pockets. Size: 7.25" x 4.5" x 3". Available in black, navy blue, red, or royal blue. Custom logos also available.

42-046



42-044

LIFEGUARD FANNY PACK WITH STRAPS

Same as the Lifeguard Fanny Pack with the addition of top straps which allows you to secure a water bottle to the top of the Lifeguard Fanny Pack. Color: red.

42-044



42-110

LIFEGUARD CLEAR FANNY PACK — Our "clear" PVC fanny packs allow you to see what is in each guard's fanny pack, versus a nylon fanny pack. Features heavy duty 45" adjustable waist strap, three zipper pockets, and mesh fabric bottom. Size: 7 1/2" x 5" x 3".

42-056



42-057

FIRST RESPONDER KITS

LIFEGUARD FIRST RESPONDER KIT — Fanny Pack with package of supplies that includes: CPR mask, foil blanket, Lifeguard whistle, break-a-way neck lanyard, and 1 pair of safety gloves. Complete replacement supply pack also available. Specify Fanny Pack color: black, navy blue, red, or royal blue.

42-057 First Responder Kit

42-058 Repl. First Responder Supply Pack

FIRST RESPONDER KIT SUPPLIES

42-046 Lifeguard Fanny Pack

48-041 CPR Mask

48-055 Latex gloves, (box of 100)

43-052 Lifeguard whistle

43-070 Break-a-way neck lanyard

42-059 Mylar foil blanket



LIFEGUARD TRAINING

DIVING BRICK — For lifeguard training or fun in the pool. Black, rubber coated.

64-035 Diving Brick



42-009

SILHOUETTE DOLLS — Weighted full body silhouette dolls for underwater identification training. 1 adult and 1 child included. Dark brown on one side and light tan on the other.

42-009



42-110

LIFEGUARD TRAINING MANIKIN

— Lifeguard Training Manikin is an indispensable tool for those involved in the training and/or testing of lifeguards. It is designed to approximate towing an average size person in the water. Weight dry: 17 lbs., and weight filled with water: approximately 180 lbs. 41" x 19" x 9".

42-110



42-040

RESCUE TUBE ACCESSORIES

RESCUE TUBE COVER — Nylon covered neoprene sleeve to help protect your Rescue Tube or Super Rescue Tube. Will help your tubes last longer.

42-040



42-048

LINCOLN KEY CHAIN

LINCOLN RESCUE TUBE KEY CHAIN —

42-048

NOTE: See [pages 133 - 138](#) for spine boards and CPR training supplies.



42-032

42-022



42-035

42-025



42-023

42-024

42-026

RESCUE TUBES

KEMP CUT-A-WAY RESCUE TUBE — Our "cut-a-way" rescue tube has unique hand grips to ensure that people with smaller hands can grasp the rescue tube easily. Slightly narrower and longer than our standard rescue tube. Includes adjustable shoulder strap. Size: 52.5" x 6" x 3".

42-026

EXOTUBE RESCUE TUBES — "Gator" style Rescue Tubes incorporate a mesh material that completely encases the foam before they are vinyl-dipped, creating a rugged, textured surface that will add to the life expectancy of your tubes. Gator Tubes feature 2" adjustable tow strap with Velcro closure. Gator Tubes feature a 2" adjustable tow strap with Velcro closure and a reach assist loop. Color: red.

Item	Description	Dimensions
42-032	Super Rescue Tube	50" x 5 1/2" x 3 1/2"
42-022	Rescue Tube	40" x 5 1/2" x 3 1/2"

MARINE RESCUE TUBES — Ensolite foam covered with heavy-duty vinyl. Poly tow line with 2" adjustable shoulder harness. Marine Rescue Tube includes a brass buckle and "D" ring. Color: red.

Item	Description	Dimensions
42-035	Super Rescue Tube	50" x 6" x 4"
42-025	Rescue Tube	40" x 5" x 3 1/4"

KEMP RESCUE TUBES — The preferred choice of the American Red Cross and the standard Rescue Tube used by guard training agencies. Best used for pools, waterparks and guard training. Available in navy, orange, red, or yellow.

Item	Description	Dimensions
42-023	Super Rescue Tube	49 1/2" x 6" x 3"
42-024	Rescue Tube	39 1/2" x 6" x 3"



34"

28"

RESCUE CANS

KEMP RESCUE CAN — The rescue can is produced with thick cross linked polyethylene walls, a heavy duty 2" strap, and 10 feet of 11/32" tow line. The can features pebble-grained hand grips to reduce slippage during water rescue. The 28" rescue can supports single-victim rescue and the 34" rescue can supports multi-victim rescue.

42-011 34" Rescue Can

42-012 28" Rescue Can

Lifeguard Supplies



RING BUOYS

RING BUOYS — U.S. Coast Guard approved. Sof-Tex surface resists weather and temperature extremes. Color: white.

- 44-070 20" diameter
- 44-075 24" diameter
- 44-080 30" diameter



44-085

RING BUOY ACCESSORIES

RING BUOY SAFETY STATION — Plastic protective cabinet with non-breakable polycarbonate window for convenient ring buoy mounting. Station encloses 20", 24", or 30" ring buoy, plus a 60' heaving line kit. Includes: cabinet and 60' heaving line kit. Ring buoy ordered separately.

- 44-084 20"
- 44-085 24"
- 44-086 30"



44-100

RING BUOY MOUNTING HOOK — Stainless steel hook. Screws not included.

44-100



HEAVING LINE KIT — Includes ¼" heaving line, with foot float and aluminum mounting hook.

- 44-090 30' kit
- 44-095 60' kit
- 44-094 90' kit



42-047

RESCUE THROW BAG — 50' or 90' of ¾" polypropylene rope stored in a nylon bag. Line and bag are thrown to victim. Bag is high visibility yellow with black "Rescue Bag" markings.

- 42-047 50'
- 42-049 90'



42-050

RESCUE THROW ROPE — Durable polypropylene throw rope with orange float.

- 42-050 60' Kit



42-060

LIFE HOOKS

LIFE HOOK — Sturdy anodized aluminum with double crook design.

- 42-060 Life Hook



42-085



42-086

RESCUE BOARDS

RESCUE BOARDS — Our Soft Top Rescue Boards feature honeycomb wood core and wood sandwich construction, which makes for a durable, yet light weight board. EVA soft top foam deck with epoxy bottom, six handles, safety flex skag and leash plugs. **12' Soft Top Rescue Board** is 12'L x 26.25"W x 3.5"D. Weight: 28 lbs. Color: yellow. **10' Soft Top Rescue Board** is 10'L x 24"W x 3.25"D. Weight: 19 lbs. Color: yellow.

- 42-085 Soft Top Rescue Board, 10'
- 42-086 Soft Top Rescue Board, 12'



43-100

43-105

BATTERY POWERED MEGAPHONES

Constructed of tough ABS plastic. Our megaphones are battery operated and include a built-in horn sound button for attention. Volume control to set desired sound level. Available in 3 output ranges- **6 Watt**- 175 yd. range (uses 6 x AA batteries), **10 Watt**- 300 yd. range (uses 8 x AA batteries), and **25 Watt**- 600 yd. range (uses 8 x "C" batteries.) Batteries not included.

- 43-100 6 Watt Megaphone
- 43-105 10 Watt Megaphone
- 43-110 25 Watt Megaphone



62-060

SAFETY HORN

PORTABLE AIR HORN — This air horn is ideal for coaches, sport officials, lifeguards, water polo and swim desk staff, and camp counselors. Includes power can and plastic horn. Meets USCG requirements for boating safety.

62-060



43-030

43-035

43-040

HAND HELD MEGAPHONES

HAND HELD MEGAPHONES — White, high-density plastic megaphone with chrome mouth guard. Easy to handle and projects voice effectively. 25" and 19" sizes have chrome handle. 7" Hand Held Megaphone without handle.

- 43-030 25"
- 43-035 19"
- 43-040 7"



43-042

2-WAY RADIO & ACCESSORIES

WATERPROOF 2-WAY RADIO — Compact design that can be in up to 1 meter of water for up to 30 minutes (headset cover must be closed). 4-Watt, 16 channels.

43-042 Waterproof Radio, each



43-043

WATERPROOF FLOAT PACK — Waterproof plastic case that you can hear and speak through. Radio pack will also float if immersed in water when sealed.

43-043 Waterproof Float Pack, each



43-055

WHISTLES

ACME THUNDER WHISTLES — Heavy duty nickel-plated whistle.

43-055



43-045

43-075

43-052

PEALESS WHISTLES — Chambers are designed to self-clear when submerged in water. Easily heard over long distances. Available in two styles: original **Fox 40** or new **Lifeguard** models. Colors: **Fox 40** - red or blue. **Lifeguard** - red or black.

43-045 Fox 40 Whistle

43-052 Lifeguard Whistle

LANYARDS & WRIST BANDS

FLEX COIL WRIST BANDS — Bright flexible plastic coil wrist bands. Assorted colors.

43-075



43-065

43-070

43-072

LANYARDS — Braided nylon lanyards. Colors: red, blue, white, black, green or yellow.

43-065

BREAK-AWAY NECK LANYARD — Corded neck lanyard with re-connecting closure. Break-Away feature increases guard safety during rescues. Assorted colors.

43-070

LIFEGUARD LANYARD — "Lifeguard" lanyard provides additional identification for your guards.

43-072

Life Vests & Life Jackets



44-035



44-040

ENSOLITE SAFETY VESTS — Type III Swim Vests. High quality durable Ensolite material with high gloss vinyl coating. Measure around chest and under arms for sizing.

Adult	Child
44-020 XXL (46"-48")	•
44-025 XL (43"-46")	•
44-030 Lg. (40"-43")	•
44-035 Med. (37"-40")	44-050 Med. (26"-29")
44-040 Sm. (34"-37")	44-055 Sm. (23"-24")
44-045 XS (31"-34")	44-060 XS (21"-23")



44-016



44-017



44-003

SAFETY VESTS

NYLON SAFETY VESTS — The Kemp USA Universal Life Vest features three adjustable belts with a weather resistant polypropylene fabric. The vest is highly resistant to fading and strength loss from UV exposure. The Infant and Child sizes include an adjustable between the leg strap for added safety. US Coast Guard Approved Type III Life Jacket/Personal Flotation Device (PFD). Colors: red or blue - specify.

Size	Swim Vests
Adult (over 90 lbs.)	44-016
Youth (50-90 lbs.)	44-017
Child (30-50 lbs.)	44-018
Infant Heads-up (<50 lbs.)	44-003



44-005

44-010

44-015

LIFE JACKETS

LIFE JACKETS — Type II Life jackets, durable flotation foam and bright orange nylon outer shell. Adjustable belt for secure fit.

Size	Life Jackets
Adult (over 90 lbs.)	44-005
Youth (50-90 lbs.)	44-010
Child (30-50 lbs.)	44-015



51-350

VEST STORAGE

VEST STORAGE CART — Helps keep your vests organized and allows them to dry properly. Durable PVC cart with high density plastic base and non-marking swivel casters. Six crossbars for hanging allows you to store up to 60-70 vests. Hangers not included. Size: 64" L x 30" W x 75.5" H.

51-350



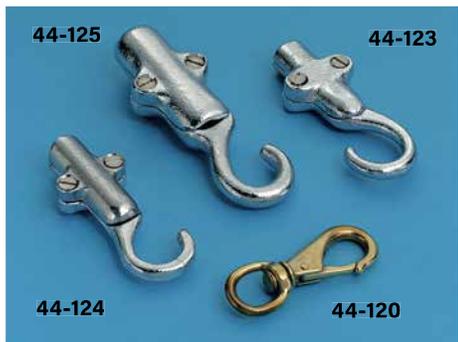
ROPE

TWISTED ROPE — Polyethylene rope. Colors: blue/white, yellow or white.

Color	1/4"	3/8"	1/2"	3/4"
Blue/White	44-105	44-110	44-113	44-115
Yellow	44-104	44-111	44-114	44-116
White	44-106	44-112	44-117	44-118

BRAIDED ROPE — Polyethylene rope. Colors: blue/white, yellow or white.

Color	1/4"	3/8"	1/2"
Blue/White	44-101	44-119	-
Yellow	44-102	44-121	44-097
White	44-103	44-109	44-098



ROPE HOOKS & CLAMPS

CPB ROPE HOOKS — CPB two-piece sure grip rope hook.

- 44-123 3/8"
- 44-124 1/2"
- 44-125 3/4"

BRASS SWIVEL ROPE HOOK — Heavy duty, brass rope hook for 1/4" or 3/8" rope.

44-120



44-128

NYLON ROPE CLAMPS — For clamping rope ends together to make a loop.

- 44-126 3/8"
- 44-127 1/2"
- 44-128 3/4"

44-145 44-190 44-165



44-140 44-185 44-160

FLOATS

POLYETHYLENE FLOATS — Colors: Solid red, blue, yellow, white, or combination of red and white or blue and white, specify.

Item	Polyethylene Float	Fits Rope
44-140	3" x 5"	3/8"
44-145	5" x 9"	3/4"

Item	Float Keepers	Fits Rope
44-150	3" x 5"	3/8"
44-155	5" x 9"	3/4"

LOK-ON ROPE FLOATS — Tough plastic outer shell with solid core. Provides maximum durability. Use 1 Rope-lok per float to secure float in place. Colors: blue and white, yellow and white or red and white, specify.

Item	Lok-on Float	Fits Rope
44-160	3" x 5"	3/8"
44-165	5" x 9"	3/4"
44-170	8" x 14"	1"
44-175	Rope-Lok	Fits All Sizes

HANDI-LOCK FLOATS — Self-locking floats secure onto rope with a patented twist-lock design. Eliminates floats from moving on your rope. Colors: Alternating blue and white or red and white, specify.

Item	Handi-Lock Floats	Fits Rope
44-185	3" x 5"	3/8"
44-190	5" x 9"	3/4"



44-130

SWIM AREA BUOYS

SWIM AREA BUOYS — Identify swim areas on lakes and rivers with buoys and floats. Swim area buoys are visible 41" above water line. Other daymarks available. Size: 59" high x 12" can dia. x 13" base dia. Color: white.

44-130 Swim Area Buoy



40-121 40-120

WALL ANCHORS

PARAGON HEAVY WALL ANCHOR Machined brass insert with 5/8" CPB heavy eyebolt.

- 40-120 Heavy wall anchor with eyebolt
- 40-121 5/8" diameter heavy eyebolt only
- 40-122 Wall anchor insert only



40-125 40-126

SAFETY LINE INSERT ANCHOR — For installation into existing pools. Complete with lead expansion anchor.

- 40-125
- 40-126 Replacement safety line eyebolt



40-135

40-136

CUP ANCHORS

PARAGON COMMERCIAL CUP ANCHORS Cast stainless steel cup anchor available with integral crossbar which eliminates loss of eyebolts or with removable triangular eyebolt. Size: 5" deep x 4" square face plate.

- 40-135 Cup anchor, crossbar style
- 40-136 Cup anchor, triangular eyebolt style
- 40-137 Replacement triangular eyebolt



40-140 40-145 40-150 40-121 40-137

EYEBOLTS

REPLACEMENT EYEBOLTS

- 40-140 1/2" diameter eyebolt
- 40-145 5/8" diameter eyebolt
- 40-150 3/4" diameter eyebolt
- 40-121 5/8" diameter heavy eyebolt
- 40-137 Replacement triangular eyebolt



Clarion Safety Systems POOL SAFETY SIGN SYSTEM PACKAGES

NO LIFEGUARD PACKAGE



Size: 15.5" x 15.5"



Size: 10" x 7.5"



Size: 9.5" x 13"

PACKAGE INCLUDES:
45-425

Qty	Signs
1	No Lifeguard On Duty
1	Danger/No Lifeguard On Duty
1	No Lifeguard On Duty

LOCKER ROOM PACKAGE



Size: 9.5" x 34.5"



Size: 10" x 19.5"

PACKAGE INCLUDES:
45-435

Qty	Signs
1	4 Symbol Watch your Children
1	Danger, Watch your Children

POOL AREA PACKAGE



Medium Pool*: (1) 23" x 23" (each design)



Medium Pool*: (1) 14" x 26.5"

PACKAGE INCLUDES:
45-430

Qty	Signs
1	Watch Your Children
1	Non-Swimmers Wear Life Jackets
1	No Running
1	No Diving
1	Danger, Watch Your Children

*Medium Pools are approximately 2,000 - 5,000 sq. ft.
Small and Large pool packages are also available for purchase.

Packages listed above are also available in bilingual English/Spanish, additional sizes and in an outdoor material. Please ask your sales representative for more information.

DANGER

Watch your children closely. Drowning happens quickly. People drowning cannot call out for help. Keep children within arm's reach when in the water.

No diving. Shallow water. Reduce the risk of head, neck and spinal injuries. Only enter water feet first.

Non-swimmers should wear life jackets. Reduce the risk of drowning.

No long underwater breath holding. Prolonged repetitive breath holding can be deadly. Doing so tells your body not to ask for oxygen, which can cause you to pass out and drown.

45-375



45-240



45-330



45-250



45-255



45-410

FACILITY SAFETY SIGNS

POOL SAFETY SIGNS (PSS) — Graphical symbol signs draw attention to core safety messages. Larger sizes available based on viewing distances. **Indoor** with non-glare texture material and **Outdoor** with weather durable material. Available in English and English/Spanish styles. See web site for additional sizes.

Sign	Indoor		Outdoor	
	English	Eng/Sp	English	Eng/Sp
Safety Diamond Signs (15.5" x 15.5")				
Watch Your Children	45-200	45-285	45-240	45-325
No Diving	45-205	45-290	45-245	45-330
Wear Life Jackets	45-210	45-295	45-250	45-335
No Long Breath Holding	45-215	45-300	45-255	45-340
Entrance Pool Signs				
4 Symbol (19.5" x 10")	45-365	45-385	45-375	45-395
3 Symbol (16" x 10")	45-370	45-390	45-380	45-400
No Lifeguard on Duty Signs (13" x 9.5")				
No Lifeguard	45-405	45-415	45-410	45-420

English/Spanish versions slightly larger in size.



45-021

WADING POOL NOT ATTENDED SIGN
Size: 12" x 10"
45-021

45-025

RESCUE BREATHING AND CHOKING SIGN Features current American Red Cross CPR Guidelines. Size: 24" x 30"

45-025 English
45-026 Spanish



45-017

WARNING: NO LIFEGUARD ON DUTY SIGN Size: 18" x 24"
45-017

This sign should be posted at the ENTRANCE to the pool.

KEEP CLOSED
This sign should be posted on the GATE OR DOOR to the pool.



45-032

UNIVERSAL SAFETY SIGN — Pool/spa caution, no diving, pool/spa capacity, artificial respiration, 911, no lifeguard and pool/spa rules. California Compliant sign adds Emergency shut off, Diarrhea, and Keep Closed sign.
45-032 California Universal Sign, 41" x 48"
45-042 Universal Sign, 40" x 48"

45-005

PUBLIC POOL RULES SIGN — Size: 18" x 24"
45-005

45-010

SPA RULES SIGN — Size: 18" x 24"
45-010



45-110

NO SWIMMING ALLOWED AFTER DARK SIGN — Size: 24" x 18"
45-020
PLEASE SHOWER BEFORE ENTERING POOL SIGN — Size: 12" x 18"
45-110



45-095



45-100



45-111

POOL CAPACITY SIGN — Size: 12" x 18"
45-095
SPA CAPACITY SIGN — Size: 12" x 18"
45-100
TAKE A CLEANSING SHOWER SIGN — Size: 12" x 10"
45-111

Safety Signs



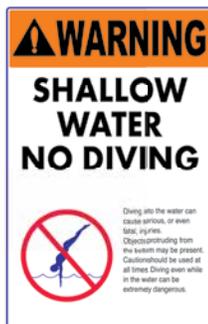
45-035

WARNING SIGN FOR DIVERS — Size: 12"x 18".
45-035



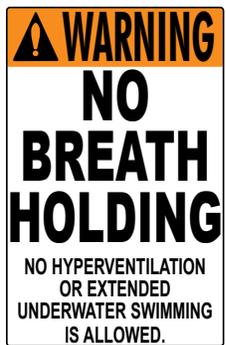
45-023

NO DIVING ALLOWED SIGN — Size: 18"x 24".
45-023



45-034

SHALLOW WATER NO DIVING SIGN — Size: 18"x 24".
45-034



45-022

NO BREATH HOLDING SIGN — Size: 12"x 18".
45-022



45-040

NO RUNNING SIGN — Size: 18"x 12".
45-040



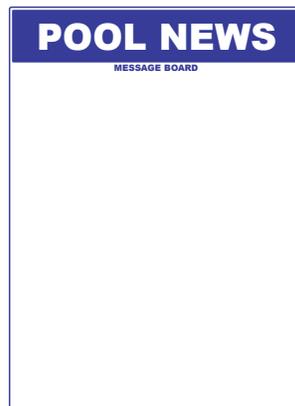
45-037

SWIM DIAPERS REQUIRED SIGN — Size: 12"x 10".
45-037



45-121

DIARRHEA SAFETY SIGN — Size: 18"x 12".
45-121



45-043

POOL/CLUB NEWS MESSAGE BOARD
Write your message and change as needed with dry erase markers, ordered separately. Size: 18" x 24"

45-043 Pool News Message Board

45-044 Club News Message Board

45-048 Marker kit, set of 3 with eraser



45-039

FIRST AID STATION SIGN — Size: 12"x 10".
45-039



45-041

NO CELL PHONES ALLOWED SIGN — Size: 12"x 18".
45-041



45-038

HANDICAP LIFT AVAILABLE SIGN — Size: 12"x 10".
45-038



45-027

NOTICE KEEP OFF LIFT SIGN — Size: 12"x 10".
45-027



45-028

LIFT IS NOT A TOY SIGN — Size: 10"x 12".
45-028



45-109

SPECTRUM AQUATIC LIFT AVAILABLE SIGN — Size: 8.5"x 11".
45-109



45-033

S.R. SMITH POOL/SPA LIFT AVAILABLE SIGN — Size: 9"x 12".
45-033



45-105

SWIMMING POOL CLOSED SIGN — Size: 12"x 18"
45-105



45-103

KEEP CLOSED SIGN — Size: 12"x 6"
45-103



45-104

NOTICE POOL CLOSED FOR THE SEASON SIGN — Size: 12"x 18"
45-104



45-106



45-107

POOL/SPA CLOSED CHEMICALS IN USE SIGN — Size: 12" x 18"
45-106 Pool Closed Chemicals in Use
45-107 Spa Closed Chemicals in Use



45-126



45-130



45-135

EMERGENCY RESPONSE SIGNS

EMERGENCY EYEWASH SIGN

45-126 Emergency eyewash sign
45-130 Emergency drench hose sign

EMERGENCY SPILL RESPONSE SIGN

Size: 10" x 7"
45-135



45-089

EMERGENCY SIGNS
EMERGENCY PHONE NUMBER W/ FACILITY LOCATION SIGN — Size: 10"x 14"
45-089



45-047

EMERGENCY 911 SIGN — Size: 12"x 6"
45-047



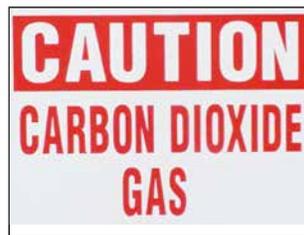
45-046

EMERGENCY SHUT-OFF SWITCH SIGN — Size: 12"x 9"
45-046



45-058

EYE AND GLOVE PROTECTION SIGN
Size: 12"x 10"
45-058



45-055

CAUTION: CARBON DIOXIDE GAS — Size: 14" x 10"
45-055



45-060



45-070



45-080

OSHA SIGNS — Size: 14" x 10"

- 45-060 Danger Acid
- 45-065 Danger Caustic
- 45-070 Danger Chlorine
- 45-075 Danger Chlorine Gas
- 45-080 Danger Chemical Storage



45-057

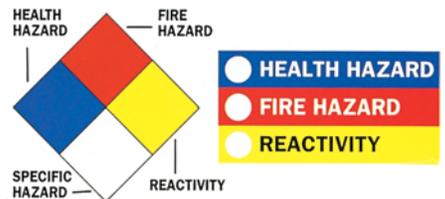
45-049

45-052

CHEMICAL SAFETY SIGNS

NFPA SIGN — Based on the National Fire Protection Association's code, provides identification of hazardous chemical storage areas. Panels are supplied blank, 4" vinyl letters/numbers complete your sign for your specific requirements.

- 45-049 NFPA sign, fiberglass, 11"
- 45-051 NFPA label, 10"



NFPA VINYL LETTERS/NUMBERS

- 45-052 OXY
- 45-053 ACID
- 45-054 COR
- 45-056 ALK
- 45-057 (Numbers 0-4)



46-085

46-090

VINYL DEPTH/SAFETY MARKERS

VINYL DEPTH/SAFETY MARKERS — 6" x 6" vinyl stick-on depth and safety message markers have white background and black/red images. Markers are skid resistant for safe deck applications. Installation kit includes: roller, aerosol adhesive and tube of edge sealer. Order one installation kit for approximately 40 Depth/Safety Markers.

Style	Slip Resistant
(0-14) FT	46-085
(0-9) 1/2 FT	46-086
(0-12) IN	46-090
(0-14)	46-095
FT	46-100
IN	46-105
No Running	46-115
International No Running	46-120
No Diving	46-125
International No Diving	46-130
Shallow Water	46-140
Deep Water	46-145
Installation Kit	46-150



46-145



46-120



46-140



46-275

PLASTIC STICK-ON MARKERS

PLASTIC STICK-ON POOL MARKERS — Designed for above water use. 4 1/4" x 5 3/4" plastic stick-on depth and safety message markers have white background and black/red images. Adheres to stainless steel, fiberglass or tile (must be at least 6" x 6" tiles). Thin profile is ideal for renovations. Easy installation with self adhesive back.

Style	Plastic Stick-On Tile
(0-9) FT	46-275
(0-9) IN	46-280
(0-12)	46-285
FT	46-290
IN	46-295
No Diving	46-300
International No Diving	46-305



46-300



46-305



NO DIVING
46-155



46-160



46-165



NO RUNNING
46-156



46-161

CERAMIC DEPTH/SAFETY TILES

DEPTH AND SAFETY TILES — White ceramic tile with black lettering. Smooth surface tiles are for vertical pool wall. Slip resistant tiles are for deck mounting. Priced per tile.

Style	Slip Resistant	
	6" x 6"	6" x 6" / 8" x 8"
Intl. No Diving	46-155	46-181
Intl. No Running	46-156	46-186
(0-14) FT	46-160	46-182
(0-9) 1/2 FT	46-161	46-184
(0-12) IN	46-165	46-183
(0-14)	46-166	46-187
FT	46-167	46-188
IN	46-168	46-189



46-215

GLASS OVERLAY MARKERS

GLASS OVERLAY POOL MARKERS — Perfect solution to worn off pool depth markers. Will install over your existing depth tiles. Rugged tempered glass overlay with beveled edges. Smooth surface 6" x 6" tile with a thin profile for your in-pool depth markings. Installation kit will install 10-15 overlays. Color: white background with black letters/numbers on clear tile.

Style	Glass Tile
Intl. No Diving	46-205
(0-14) FT	46-210
(0-9) 1/2 FT	46-215
(0-12) IN	46-220
(0-14)	46-225
FT	46-230
IN	46-235
Installation Kit	46-240



SPINE BOARDS

LINCOLN SPINE BOARD — Foam filled polyethylene construction with concave shape to minimize lateral movement. X-ray and MRI translucent. Lincoln Spine Board package includes: Lincoln Spine Board, Lincoln Head Immobilizer and Velcro body straps. Size: 72" L x 16" W x 2.25" H. 1,000 lb. weight capacity.

- 47-002** Lincoln Spine Board package
- 47-029** Spine Board mounting bracket

47-001 Lincoln Spine Board only



CJ RESCUE 6 SPINE BOARD — High Density polyethylene spine board design allows for more water to flow through, making the board easier to stabilize in the water. Buoyancy is customizable with polyethylene foam rods, included. X-ray translucent. CJ Rescue 6 Spine Board package includes: CJ Rescue 6 Spine Board, "L" bracket head immobilizer with foam pads and Velcro strap, plus 4 Velcro body straps. Size 78" L x 20" W. 500 lb. weight capacity.

- 47-020** CJ Rescue 6 Spine Board package
- 47-016** CJ Spine Board Cover
- 47-071** CJ 1000 Body Straps, set of 4
- 47-065** CJ Head Immobilizer, replacement

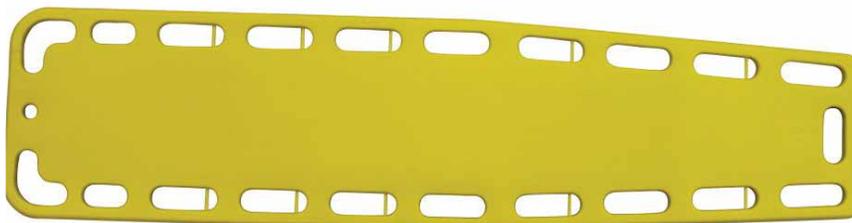
- 47-024** CJ Rescue 6 Head Bed
- 47-025** CJ Rescue 6 Velcro for Head Bed
- 47-026** CJ Rescue 6 Flotation Rods, set of 2



CJ 1000 SPINE BOARD — Wood spine board with teflon runners insure smooth sliding transfers in and out of the pool. CJ 1000 Spine Board package includes: CJ 1000 Spine Board, "L" Bracket Head Immobilizer with foam pads and Velcro strap, and 4 Velcro body straps. Size: 78" L x 20" W. Optional cover protects top of board from the elements. Elastic bands hold cover on spine board for easy removal. 500 lb. weight capacity.

- 47-015** CJ 1000 Spine Board package
- 47-016** CJ Spine Board cover
- 47-017** CJ 1000 Board Runners, set of 2

- 47-018** CJ 1000 Board Bumpers, set of 2
- 47-071** CJ 1000 Body Straps, set of 4



KEMP SPINE BOARD — The Kemp USA Spine Board is an economical yet extremely strong board. Made of durable polyethylene, this spine board has a weight capacity of 700lbs with a heavy-duty shell. It comes with 21 handholds and 8 pins for your strapping needs. This easy to use foam filled board is excellent for water rescue and is waterproof. Available in white, lime green, orange, royal blue, yellow, or red.

- 47-010** Kemp Spine Board



47-055



47-055

HEAD IMMOBILIZERS

LINCOLN HEAD IMMOBILIZER — Two Plastisol coated foam head supports with universal attachment base and two durable head straps. Fits all spine boards. Complete with head and chin straps with Velcro closures. Colors: orange, royal blue, yellow, or black.

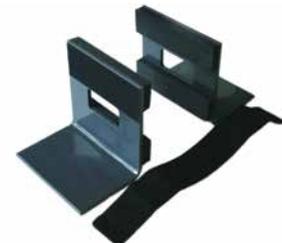
- 47-055** Lincoln Head Immobilizer



47-065

CJ "L" BRACKET HEAD IMMOBILIZER — Two piece "L" Bracket Head Immobilizer with foam padding. Available as a replacement for your CJ 1000 or CJ Rescue 6 Spine Board. Includes: "L" Bracket and Velcro strap. Adapt allows you to use on other manufacturers spine boards. Includes: "L" Bracket, Velcro strap and Velcro mounting for spine board.

- 47-065** CJ Head Immobilizer, replacement
- 47-070** CJ Head Immobilizer, adapt



KEMP REPLACEMENT HEAD IMMOBILIZER Easy to use, engineered specifically for the EG and CJ boards. These durable head blocks are the strongest in the industry and resist breakage.

- 47-066** Kemp Head Immobilizer



47-061

SPEEDBLOCKS® HEAD IMMOBILIZER

Reusable head immobilizer accommodates all head shapes. Handle lock and quick release lock ensures a proper fit for patients 2 years and up. Includes: 1 block set, universal base, 1 strap and pad replacement set.

47-061 Speedblocks® Head Immobilizer

47-062 Speedblocks® Repl. strap & pad set



47-041

KEMP BUCKLE STRAP — Kemp USA's Two Piece Spine Board Strap has loop ends to attach to spine board handles. It is very durable and user friendly with plastic clips. This strap is for use with all spine boards. Dimensions: 72" x 2". Each.

47-041



47-047

10-POINT RESCUE STRAP — The Kemp USA 10 Point Straps are a favorite among EMS professionals for their functionality. These easy to use single piece straps are made of heavy duty nylon and fasten with Velcro. The reflective straps come with a carrying case for easy storage.

47-047



47-028

47-040

47-045

DISPOSABLE STRAPS — 2" x 84" disposable poly webbing with Fastex buckles. Colors: white, blue, orange, black, or olive. Specify.

47-028 Set of 6 straps and 3 buckles

VELCRO STRAPS — 2" x 29" long Velcro straps can be rolled up and fastened to board. Includes metal attaching loops. Each.

47-040

NYLON STRAPS — 2" x 61" orange nylon with quick release metal buckle. Each.

47-045



47-043

KEMP SPINE BOARD STRAP — Made of strong nylon webbing with a quick-release push button buckle (automobile-type) and metal swivel speed clip. This two-piece strap can only be used with spine boards with pins. Each.

47-043



47-071

CJ VELCRO STRAPS — 2" Velcro straps for CJ 1000 and CJ Rescue 6 spine boards. Set of 4 Body Straps: 30" (2), 28", 25". Set of 4 Body Strap Extenders add an additional 24" length.

47-071 CJ Body Straps, set of 4

47-072 CJ Strap Extenders, set of 4



47-074

47-075

ADJUSTABLE COLLARS

STIFNECK SELECT ADJUSTABLE COLLAR — Adjustable collars assure the rescuer always has the appropriate collar at the patient's side. Sizing method is identical to the original Stifneck collar for simplified training.

47-074 Stifneck Adjustable Collar, Adult

47-075 Stifneck Adjustable Collar, Pediatric



CERVICAL COLLARS

STIFNECK CERVICAL COLLARS — Constructed of tough polyethylene with foam lining. Color coded for instant size identification. X-ray compatible. Stores flat or folded. Optional nylon fabric carrying bag with zipper closure, holds 10 Stifneck Cervical Collars.

47-076 Adult tall

47-077 Adult regular

47-078 Adult short

47-079 Adult no-neck

47-081 Pediatric

47-082 Baby no-neck



48-086

COLLAR BAGS

KEMP USA COLLAR BAG — The Kemp USA Collar Bag conveniently stores your cervical collars. It features two zippers at both ends making it easy to access your collars. Rugged construction with a reflective trim to prevent being left behind at a night scene. Dimensions: 25.5" x 12" x 5.25". Color: Navy Blue

48-086



48-055

LATEX GLOVES

LATEX GLOVES — Pre-powdered, 10" long. Box of 100. Specify size: small, medium, or large.

48-055



47-106

47-107

BLANKET

BLANKET — Wool emergency blankets. **Standard** model is a great all around blanket and **Heavy-Duty** model is our highest quality most durable blanket for all conditions. Size: 60" x 90". Color: grey.

47-106 Standard blanket, 30% wool

47-107 Heavy-Duty blanket, 80% wool



47-086

FIRST AID KITS

FIRST AID KITS — All kits meet OSHA and ANSI standards. The bulk kits are economic and ideal for lower risk environments while the unitized kits come with individually packaged components, which allow for easier and more organized kit refilling. All kits are available in your choice of a weatherproof metal or plastic case and can be mounted on the wall if needed. All kits are Class A, except for the 50 person bulk kits, which are Class B. Refill kits are available.

Item	First Aid Kit Capacity	Case	Size (L x W x H)
Bulk Kits			
47-086	25 people	Metal	9.5" x 3" x 6.5"
47-087	26 people	Plastic	10" x 3" x 7"
47-088	50 people	Metal	14" x 2.63" x 9"
47-089	50 people	Plastic	9.5" x 3" x 6.5"
Unitized Kits			
47-096	25 people	Metal	9.06" x 2.38" x 6"
47-097	25 people	Plastic	10" x 3" x 7"
47-098	50 people	Metal	9.5" x 2.63" x 9"
47-099	50 people	Plastic	9.38" x 9.38" x 3"



47-098



47-091

KEMP FIRST AID KITS — Great first aid kits for medium and large pools and settings. Both kits meet OSHA and ANSI standards. These come stocked with all the necessities, such as adhesive strips, tape, first aid cream, gauze, gloves, ice packs, compresses, iodine swabs, eye dressing, etc. Comes in a sturdy white plastic case. Choose between 25 or 50 person kit.

- 47-091 24 Unit First Aid Kit, 25 people
- 47-092 36 Unit First Aid Kit, 50 People



47-092



47-112

KEMP PPE EQUIPMENT KIT — This protective equipment kit was designed to assist in providing the essentials needed in today's environment to protect yourself. Perfect for anywhere where you need a little extra protection. Kit includes: 3 disposable face masks, 3 packets of hand sanitizer, 9 antiseptic wipes and one pair of nitrile gloves.

47-112



48-060

KEMP BLOODBORNE PATHOGEN KIT Bloodborne kits are mandated by many state agencies and are ideal for pool areas. This kit comes with fluid-solidifying powder, bio-scoop with detachable scraper, biohazard bag with tie, medical grade gloves, BZK towelette, trash bag with tie, and paper towels, all in a plastic zip pouch.

- 48-060 Bloodborne Pathogen Kit, Plastic Pouch



48-061

KEMP BLOODBORNE PATHOGEN KIT — This hard-cased kit comes with fluid-solidifying powder, bio-scoop with detachable scraper, biohazard bag with tie, medical grade gloves, BZK towelette, trash bag with tie, paper towels, eye shield, and gown.

- 48-061 Bloodborne Pathogen Kit, Hard Case



48-057

INFECTION CONTROL PRODUCTS
FLUID CONTROL SOLIDIFIER — Allows you to encapsulate feces, vomit, blood or other potentially hazardous waste. Sprinkle on affected area, hazard solidifies for easy and safe disposal. To be used on pool decks not in pool water. Size: 15 oz.

48-057



47-115

FIRST RESPONDER BAGS

KEMP ULTIMATE EMS BACKPACK — The Kemp USA Ultimate Backpack has two large front pockets that measure 10" x 13" x 3" and a lower pocket that feature elastic loops on the inside. The upper pocket comes with a zippered pouch on the outside. On the sides, it features two pockets 19" x 7" x 4"; the one on the right comes with dividers and the pocket on the left comes with 4 standard size removable pouches. Upon opening the large pocket of the bag, you see three large utility pouches and one extra-large utility pouch. On the bottom of the bag is a strap to hold a D Tank Cylinder. High stress points have been reinforced with bartack and cross stitched. All zippers have a high visibility reflective zip pull to ensure quick and easy access. This bag comes with highly visible reflective trim, all metal black nickel hardware, molded feet on the bottom for extra protection, and handles if the person decides to carry it. Color: red. Customization: Logo or other colors available. Dimensions: 13" x 16" x 25".

47-115 Ultimate EMS Backpack



47-116

ULTIMATE PREMIUM EMS BACKPACK

The Kemp USA Premium Ultimate Backpack is offered in the new Premium Blue Line of Bags, by Kemp USA. The redesigned backpack is built using 1680 Denier Ballistic Nylon. High stress points have been reinforced with bartack and cross stitched. The backpack has two large front pockets that measure 10" x 13" x 3" and a lower pocket that feature elastic loops on the inside. The upper pocket comes with a zippered pouch on the outside. On the sides, it features two pockets 19" x 7" x 4"; the one on the right comes with dividers and the pocket on the left comes with 4 standard size removable pouches. All zippers have a high visibility reflective zip pull to ensure quick and easy access. Upon opening the large pocket of the bag, you see three large utility pouches and one extra-large utility pouch. On the bottom of the bag is a strap to hold a D Tank Cylinder. This bag comes with highly visible reflective trim, all metal black nickel hardware, molded feet on the bottom for extra protection, and handles if the person decides to carry it. Color: Navy Blue, Red. Dimensions: 13" x 16" x 25".

47-116 Premium EMS Backpack



47-117

ULTIMATE TARPULIN EMS BACKPACK

The Kemp USA Tarpulin Fluid-Resistant Ultimate EMS Backpack is constructed using a heavy duty water-resistant Tarpaulin material. This is extremely helpful to keep the bag clean from the elements, as well as from patient's bodily fluids. Dimensions: 13" x 16" x 25". Color: red.

47-117 Ultimate Tarpulin EMS Backpack



47-100

FIRST RESPONDER BAG — Designed for optimal organization of your emergency supplies. Rugged nylon construction with internal and external pockets and tuck-away backpack harness. Color: red.

47-100



48-081

48-083

48-082

RESPIRATORY CARE

KEMP BAG VALVE MASKS — The AMBU line of BVMs is the only resuscitator that is made from a SEBS material instead of PVC. This classifies the AMBU BVM as environmentally safe and fully disposable, thus eliminating all risks of cross contamination. Simple is good, but simpler is better. The crystal-clear valve housing provides an unimpeded view of the valve operation, and the slim design makes it easier to view the mask. The AMBU BVM provides users with exceptional tactile and visual feedback during resuscitation. The bag is highly responsive, with minimal mechanical resistance—some even says it's a natural extension of the hand. The convenient handle makes it easier to hold the unit and to ventilate a patient with just one hand, if necessary. The characteristic design provides optimum stroke volume with perfect recoil, yet is smaller and lighter than most other disposable units.

48-081 AMBU BVM, Adult

48-083 AMBU BVM, Pediatric/Child

48-082 AMBU BVM, Infant



48-063

KEMP CPR MASKS — This AMBU mask comes in a soft pouch with the child adapter which is proper for giving CPR to small faces. It also includes an O2 inlet.

48-063 AMBU Mask, O2 Inlet, Head Strap

48-064 AMBU Mask in Soft Pouch

48-069 AMBU Mask Combo Adult & Child



48-064



48-046

LAERDAL® POCKET MASK — Latex free pocket mask can be used on adult, child or infant. Available with or without oxygen attachment feature. Includes: mask, latex gloves, sanitary wipe and yellow plastic case.

- 48-046** Laerdal® Pocket Mask™ w/o oxygen
- 48-047** Laerdal® Pocket Mask™ with oxygen
- 48-048** Replacement one way valve
- 48-049** Replacement filter



48-042

LAERDAL® PEDIATRIC POCKET MASK Latex free pocket mask has been designed to address the different anatomical needs of the pediatric patient while providing the efficacy and protection for the rescuer. Includes: Pediatric Pocket Mask, gloves and wipes in soft pack with belt clip.

- 48-042**



48-050

48-051

48-052

THE BAG™ DISPOSABLE RESUSCITATORS Ergonomic design plus the convenience of a disposable unit. Includes: face mask, oxygen reservoir with connecting tube, Manometer port on Pediatric/Infant units only.

- 48-050** The Bag™ Resuscitator, Adult Mask
- 48-051** The Bag™ Resuscitator, Pediatric Mask
- 48-052** The Bag™ Resuscitator, Infant Mask



47-110

MANUAL SUCTION DEVICE

V-VAC MANUAL SUCTION DEVICE — Essential equipment for first responders, with the V-Vac you will be able to open and maintain a patients airway. Includes: 1 handle, 2 replacement cartridges.

- 47-110** V-Vac manual suction device
- 47-125** Replacement cartridge, each



47-030

KEMP CPR BOARD — Ideal for CPR training and CPR administration by providing a firm surface that helps to properly position a patient. It also helps to ensure a constant open airway. The head cup maintains proper alignment of a patient's head, while the contoured sides make lifting the patient easier.

- 47-030**



47-130

CPR TRAINING

CPR PROMPT TRAINING MANIKINS — CPR Prompt rescue training manikins provide an affordable one-student-to-one-manikin training in CPR, AED use and the Heimlich maneuver. Proper head tilt/chin lift to open the airway, visible chest rise, anatomical landmarks and an audible compression clicker (adult/child only) to ensure proper technique. Infant manikin features new full body design. Lightweight and requires minimal cleaning with single use face shield/lung bags. Manikins feature Duracoat smooth skin finish for a longer life. Includes: insertion tool and case. Additional Face Shields/Lung Bags ordered separately. **3 Year Warranty.**

CPR PROMPT TRAINING MANIKINS

Item	Description	Adult/Child	Infant	Face Shield Lung Bags
47-130	Manikin 7 pack	5	2	50/20
47-135	Adult/Child 5 pk	5	•	50
47-136	Adult/Child Single pack	1	•	10
47-140	Infant 5 pack	•	5	50

CPR PROMPT ACCESSORIES

Pack Size	Adult/Child	Infant
Face Shield/Lung Bag		
10 pack	47-145	47-150
100 pack	47-155	47-160
Replacement Head		
5 pack	47-165	47-170

Rescue Equipment



48-027

LITTLE BABY QCPR — Little Baby QCPR allows an instructor to monitor up to six learners at the same time from the palm of their hand. The Instructor App provides an easy to view performance summary that highlights which students may require further guidance. CPR feedback technology on compression rate, depth, recoil, chest compression fraction, hand placement, and ventilations. Audio crying feedback for choking training. Gaming element to help make learning stick. Realistic look and feel of a baby. Choose between Single and 4-Pack. Specify Light or Dark Skin.

- 48-026 Little Baby QCPR, Single
- 48-027 Little Baby QCPR, 4-Pack



48-001



48-003

TRAINING MANIKINS

LITTLE ANNE QCPR — Little Anne QCPR allows an instructor to monitor up to six learners at the same time from the palm of their hand. The Instructor App provides an easy to view performance summary that highlights which students may require further guidance. Choose between Single and 4-Pack. Specify light or Dark Skin.

Single pack includes Manikin, 2 manikin faces, 2 airways, 6 manikin wipes, jacket for manikin and a soft pack carrying case/training mat.

4-pack includes 4 Little Anne Manikins, 4 manikin faces, 8 airways, 24 manikin wipes, 4 individual training mats, 1 4-pack carry case and user guide.

48-001 Little Anne QCPR, Single

48-002 Little Anne QCPR, 4-Pack



LITTLE JUNIOR QCPR — Little Junior QCPR allows an instructor to monitor up to six learners at the same time from the palm of their hand. The Instructor App provides an easy to view performance summary that highlights which students may require further guidance. Little Junior QCPR helps instructors improve CPR training quality and efficiency in their courses, while adding a fun and engaging element for students that promotes learning and motivation. Includes Manikin, 2 manikin faces, 2 airways, 6 manikin wipes, jacket for manikin, soft pack carrying case and training mat. Specify Light or Dark Skin.

48-003



48-004

LITTLE JUNIOR QCPR UPGRADE KIT

All existing Little Junior manikins can be easily upgraded to QCPR with the Little Junior QCPR upgrade kit.

48-004



48-190

WATER RESCUE MANIKIN — Adult and adolescent manikins are an excellent water rescue device for adding the shock of realism for your aquatic safety trainings. Available with optional CPR feature. As the manikins fill with water, they will sink up to the neck. To take them to the pool bottom, add five to ten pounds of weight (not supplied).

Description	Manikin	Manikin w/CPR
Adult	48-190	48-195
Adolescent	48-200	48-205



48-200



49-005

SHOWER & EYEWASH STATIONS

SHOWER & EYEWASH STATION — Offers immediate first aid. Full body drench shower with choice of stainless steel or ABS plastic bowl. Easily activated by push flag or triangular pull handle. Stainless steel eyewash and ABS plastic eyewash offer optional foot treadle, and is ordered separately. Epoxy coating adds an additional layer of protection on all galvanized metal surfaces. **Meets ANSI and OSHA requirements.**

Description	Standard	Epoxy Coating
Stainless Steel	49-005	49-058
ABS Plastic	49-006	49-059

SHOWER AND EYEWASH PARTS

- 49-001 Eyewash head assembly
- 49-002 Dust cover
- 49-003 Shower head
- 49-004 Pull handle
- 49-007 Optional foot treadle



49-009

EYEWASH STATIONS

WALL MOUNT EYEWASH WITH BOWL Wall mount station with eye and face wash head assembly. Provides superior spray to the vulnerable nasal cavity when needed. Features ABS plastic 11" receptor. Includes: mesh in-line strainer to collect line debris, wall bracket and universal sign.

49-009



49-010

WALL MOUNT EYE/FACE/BODY

SPRAY HEAD — Allows user the ability to wash all parts of the face and body. Easy-to-use spray unit features a chrome plated squeeze lever for one-handed operation. Single spray head has automatic pop-off dust cover. Vacuum breaker is required on all hand held eye/face/body spray units per local code, not included. Includes: wall bracket, 12' recoil hose and universal sign.

49-010



49-012



49-014



49-017

PORTABLE EYEWASH TANK — Stainless steel pressurized eyewash tank with drench hose. Built-in carrying handles with flow control spray head assemblies for steady waterflow. Portable heated units maintain water temperature at an average of 75°.

Eyewash Style	5 Gallon	10 Gallon	15 Gallon
Eyewash only	49-011	49-012	49-013
Eyewash with drench hose	49-014	49-016	49-017
Heated Eyewash	49-018	49-019	49-021
Cart	49-022	49-022	49-022

NOTE: Eyewash only units do not meet the full 15-minute flushing requirements and are intended for use as first aid treatment prior to reaching an approved shower and eyewash station.



49-015



49-020

SELF-CONTAINED EYEWASH

— Designed for first aid in locations without accessible plumbing. 16 gallon gravity-operated portable polyethylene eyewash station. Pull tray down for over 15 minutes of full flow at .4 GPM. Includes: wall mounting bracket. Bacteriostatic additive permits storage of water for up to 6 months without growth of bacteria.

49-015 Self-Contained Eyewash

49-020 Bacteriostatic additive, 5 oz.



49-026

WALL WASH STATIONS

HAND-HELD WALL STATIONS

— Provides immediate flushing until the injured person can be helped to a primary emergency device. Highly visible and readily available for emergency flushing and decontamination. Station includes: Eyesaline®, sterile and buffered saline solution which last 36 months from manufacturing date.

49-026 Single Wall Wash Station, 32 oz.

49-024 Dual Wall Wash Station, 2 x 32 oz.

49-027 Repl. Saline solution, 32 oz.



49-024

Safety Equipment



CHEMICAL HANDLING

RESPIRATORS — Dual cartridge system with low-profile design and a speech diaphragm for clear communication. **Full Face Respirator** features wide angle lens and ergonomic design. Includes adapter. Specify size: "comfort seal" (fits 99% of faces) small or extra large. **Half-Mask Respirator** leaves plenty of room for protective eyewear. Design features dual cartridges that are out of the line of sight. One-point adjustment for a quick secure fit. Specify size: small, small/medium, medium/large or large. Filter cartridges ordered separately, 2 per pkg.

Style	Item
Full Face Respirator	
Large	49-029
Medium	
Small	
Half Face Respirator	
Large	49-030
Medium	
Small	
Respiratory Cartridges	
Organic Vapor/Acid Gas	49-036
Organic Vapor	49-037
Acid Gas	49-038
Organic Vapor/Acid Gas	49-039



49-050



49-055

SAFETY GOGGLE — Soft vinyl goggle with molded vents to allow air in and keep splash out. Color: tinted green.

49-050

FULL FACE SHIELD — Protects against chemical splash from brow to underneath chin. Window measures 7" x 19".

49-055



49-060

STANZOIL GLOVES — Chemical resistant multi-purpose gloves. Natural hand contour with non-slip grip provides superior feel. Duplex knit lined, neoprene construction. Specify size: S, M, L, XL.

49-060



49-061

NEOX NEOPRENE GLOVES — Reinforced neoprene coating provides protection against chemicals. Fleece lining eliminates seams in working areas to prevent hand irritation. Natural curved hand for added comfort. 14". One size fits all.

49-061



49-065

SLEEVE PROTECTORS — Splash protection when working with acids and caustics.

49-062

APRON — Chemical resistant apron provides protection from chemical splash. Size: 35" x 45".

49-065

KNEE BOOTS — 15" PVC/Nitrile boots provides protection against chemicals. Cleated sole and steel toe. Size: men's 6-13.

49-070



49-155 49-200



49-190

DISPOSABLE COVERALLS — Disposable clothing features a yellow polyethylene film coating that repels water and moisture. Provides basic protection but should not function as your total chemical splash barrier. Ergonomically designed to be less restrictive for optimum comfort. Coveralls feature elastic wrists and ankles. Specify: S, M, L, XL.

49-155

DISPOSABLE ACCESSORIES — The same features as our disposable protective coveralls. Bib apron with extra long sewn ties, 28" x 36". Sleeve apron has elastic wrists and slips overhead and ties on back for convenient front body coverage. 52" length extends to top of ankle or can be cut to desired length. Sleeve protectors provide added arm and sleeve protection above gloves with elastic ends. High top shoe covers fit over both shoes and boots with elastic tops for snug fit. 16¹/₂" high.

49-185 Bib Apron

49-190 Sleeve Apron

49-195 Sleeve Protectors, pkg. of 25 pairs

49-200 Shoe Covers, pkg. of 25 pairs



49-057

CHEMICAL SCOOP — Plastic 56 oz. scoop.

49-057



49-130

SAFETY STATIONS

SDS INFORMATION CENTER — This SDS Compliance Center helps keep SDS documents organized and accessible to employees. Package includes: highly visible SDS sign, with SDS binder, and binder holder. Sign size: 20" H x 15" W. Color: white/red.

49-130



49-150

CONFINED SPACE SAFETY CENTER

Bold visible safety station for all your confined space materials. High-impact polystyrene message board. Includes: 25 carbonless entry permits, confined space binder and 2 - rescue handbooks. Size: 28"W x 32"H.

- 49-150 Confined Space Safety Center
- 49-151 Entry permits
- 49-152 Confined space binder
- 49-153 Entry Handbook
- 49-154 Rescue Handbook



49-108

CAUTION TAPE

HEAVY DUTY CAUTION TAPE — Bold barricade tapes for long-term use. Mark hazards with durable tape, stands up to harsh conditions and won't sag in strong winds. Size: 3" x 1,000' roll.

- 49-108 Caution Do Not Enter
- 49-109 Caution Hazardous Material



49-106

SPILL RESPONSE

SPILL RESPONSE KIT — Complete Spill Response Kit from the Association of Pool & Spa Professionals (APSP). Available in nylon bag or hard plastic storage container. Includes: absorbent pads, absorbent socks, lab pillow, disposal bag with labels, personal protective equipment package and sweeper pan. 3 gallon spill capacity.

- 49-106 Spill Response Kit, nylon bag
- 49-107 Spill Response Kit, plastic container



49-107



49-134

SPILL KIT SIGN — Bold 3-way sign helps staff identify spill control supplies quickly in an emergency. Lightweight plastic signs allow for easy mounting. Size 14"H x 10"W.

49-134



49-087

CHEMICAL SPILL CONTAINMENT

SPILL BERM — Polyurethane boom forms a barrier to confine liquids. Helps protect your mechanical room equipment against damage from spills or leaking water. End connectors allow you to link booms together for larger areas. Size: 10' L x 4" W x 2¼" H.

- 49-087 10' Spill Berm
- 49-088 Connector



49-100

DRAIN SEALS — Flexible polyethylene drain seal prevents contaminants from entering your drain. Molds to drain forming a tight seal. Cleans easily and is reusable. For best results mat should overlap at least 3" on all sides.

- 49-090 12" dia. 49-096 24" x 24"
- 49-091 20" dia. 49-100 36" x 36"
- 49-095 18" x 18" 49-105 48" x 48"



49-125

FLASHLIGHTS

RECHARGEABLE FLASHLIGHT — The Redline 6K is a powerful, waterproof (IP67), rechargeable, 6000 lumen flashlight that features a 4x adjustable zoom, closed-loop temperature control, battery charging indicator, power bank to charge your phone or other USB devices. All of this is housed inside aircraft grade anodized aluminum body with 4 light modes. Includes rechargeable battery. Size: 10.5" Length x 2.25" Diameter.

49-125

Racing Lane Lines



50-005

50-030

RACING LANE LINES

COMPETITOR GOLD MEDAL LANE LINES

6" Gold Medal lane line is designed to provide the swimmer with the ultimate in wave quelling. The lane line has over 25% more reflective surface area than any other lane line on the market today. Includes LifeSpan+ additive for enhanced durability. The Competitor Gold Medal lane line has a large 6" diameter disc with donut floats strung on a vinyl-coated $\frac{3}{16}$ " stainless steel cable. Lanes are provided with Competitor take-up reels standard. 15 meter markers, for breakout, provided in contrasting color on each lane, upon request. Disk and donut colors: in any combination of red, white, blue, sky blue, navy blue, green, yellow, black, maroon, orange, Vegas gold, gray, or purple. All donut floats will be made to match disk color, unless specified differently. Special length lanes are available and are calculated by the foot, with lane hardware ordered separately.

50-004 60'

50-005 75'

50-010 25 meter

50-015 50 meter

50-020 Special lengths - plus hardware

50-050 Lane line hardware

COMPETITOR LANE LINES — 4" flow-through design allows the waves to be dispersed along the channel of revolving discs. Includes LifeSpan+ additive for enhanced durability. The lane line consists of a series of 4" diameter x $1\frac{1}{2}$ " discs with donut floats strung on a vinyl-coated $\frac{3}{16}$ " stainless steel cable. Lanes are provided with Competitor take-up reels standard. 15 meter markers, for breakout, provided in contrasting color on each lane upon request. Disk and donut colors: in any combination of red, white, blue, sky blue, navy blue, green, yellow, black, maroon, orange, Vegas gold, gray, or purple. All donut floats will be made to match disk color, unless specified differently. Special length lanes are available and are calculated by the foot basis, with lane hardware ordered separately.

50-029 60'

50-030 75'

50-035 25 meter

50-040 50 meter

50-045 Special lengths - plus hardware

50-050 Lane line hardware



COMPETITOR/GOLD MEDAL DISCONNECTS

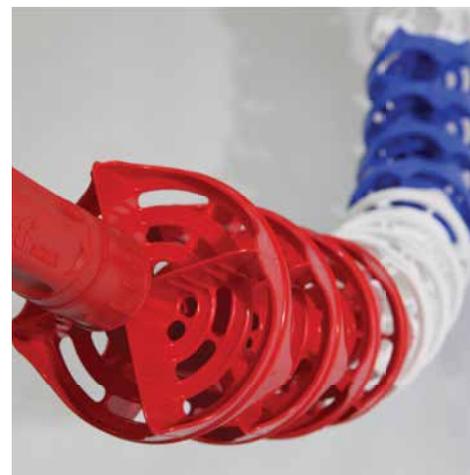
— Convert from long course to short course, and back, with disconnect feature, utilizing stainless steel pin and bronze clevis. Lanes are provided with Competitor take-up reels standard. Disk and donut colors: in any combination of red, white, blue, sky blue, navy blue, green, yellow, black, maroon, orange, Vegas gold, gray, or purple. All donut floats will be made to match disk color, unless specified differently.

Length	Gold Medal 6"	Competitor 4"
25m to 1-75'	50-060	50-075
50m to 1-75'	50-062	50-077
50m to 2-75'	50-065	50-080
50m to 1-75' and 1-25m	50-070	50-085
50m to 1-25m	50-071	50-086
7' Extension	50-120	50-110
14' Extension	50-125	50-115

NOTE: See [page 166](#) for water polo course markers.

Visit our website for Lane Line Configurator.





AntiWave



ANTI MAXIMUM LANES 50-360



ANTI FORERUNNER LANES 50-315

ANTI WAVE LANE LINES — Undulating shape of discs causes wave to be deflected downward, leaving no wake on either side. Available in 6" diameter Maximum or 4¾" diameter ForeRunner. Lanes come assembled on ½" stainless steel cable with "Supertensioner." Standard colors: Any combination of blue, white, red, green, black, yellow, dark blue, orange, gray, or silver. Specialty colors: maroon, teal, purple, or light blue. Custom colors also available, for additional charge- inquire. 15 meter markers, for backstroke breakout, provided in contrasting color on each lane, upon request. Lane floats and Supertensioner also available in above colors. Specify lane, float, and Supertensioner colors when ordering. Inquire for custom colors. **3 Year Warranty.**

Length	Maximum 6"	Forerunner 4.75"
60'	50-355	50-310
75'	50-360	50-315
25 meter	50-365	50-320
50 meter	50-370	50-325
50m w/1 Disconnect	50-375	50-326
50m w/2 Disconnects	50-380	50-327
7' extension	50-385	50-345
14' extension	50-390	50-350
Special lengths with hardware	50-395	50-330
Custom colors	50-340	50-340



50-220

ANTI WAVE SUPERTENSIONER — The Supertensioner allows you to tighten and loosen your lanes, without the use of tools, by just twisting the tensioner body. Non corrosive tensioner body with threaded stainless rod and "s" hook. Will fit any manufacturers' lanes. Colors: red, green, blue, yellow, white, or black. Also available in other standard Anti Wave lane colors. Specify. **50-220**



Lane Line Parts & Accessories



50-150

COMPETITOR LANE PARTS

COMPETITOR MULTIPLE LANE LINE BRACKETS — For triple and double lane line hook-ups to achieve ideal racing conditions. Stainless steel. Set of two.
50-150



COMPETITOR RATCHET TAKE-UP REEL
50-160

COMPETITOR RATCHET COVER
50-165

COMPETITOR RATCHET WRENCH
50-170

COMPETITOR 3/16" CABLE — Vinyl covered stainless steel cable.
50-175



50-185

50-180

COMPETITOR CABLE LOCK
50-180

COMPETITOR TENSION SPRING AND CABLE LOCK
50-185

COMPETITOR BRONZE CLEVIS — For disconnects, each.
50-190

COMPETITOR STAINLESS STEEL PIN
For disconnects.
50-195



50-190

50-195



COMPETITOR BODY SEGMENT — Specify color.
50-200

COMPETITOR END SEGMENT — Specify color.
50-205

COMPETITOR DONUT FLOAT — Specify color.
50-210

COMPETITOR GOLD MEDAL SEGMENT
Specify color.
50-215



50-220

ANTI WAVE LANE PARTS

ANTI WAVE SUPERTENSIONER — Will fit any manufacturer's lanes. Patented tensioning device allows you to safely tighten lanes without tools. Colors: red, green, blue, yellow, white and black. Additional colors available — inquire. Specify color.
50-220

ANTI WAVE STAINLESS STEEL 1/8" CABLE
50-240



50-243

50-246

ANTI WAVE MAXIMUM DISC — Specify color.

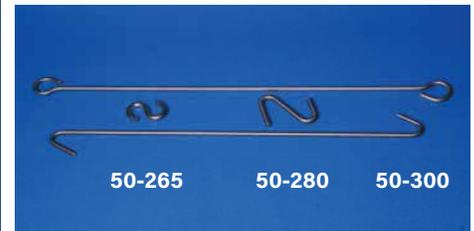
50-246

ANTI WAVE FORERUNNER DISC — Specify color.

50-242

ANTI WAVE FLOAT — "Donut" float for Maximum and Forerunner. Specify color.

50-243



50-265

50-280

50-300

EXTENSION "S" HOOKS

COMPETITOR EXTENSION "S" HOOKS

50-265 2" 50-275 14"

50-270 8" 50-278 24"

ANTI WAVE EXTENSION "S" HOOKS

50-280 2" 50-295 14"

50-285 3" 50-300 21"

50-290 8"

PROTECTIVE CAP

PROTECTIVE STAINLESS TILE CAP — Fits over waterline tile. Size: 2³/₈" x 6".
50-525



LANE LINE GUARD

LANE LINE GUARD — Fits over pool edge and guides the lane line to the reel. Protects lane line from needless wear and tear from impacting the edge of the pool. The guard prolongs the life of swimming pool lane lines by circumventing rough pool deck surfaces and corners by allowing lane lines to glide smoothly through the deep fiberglass channel.

50-262



51-005 **51-010**

LANE LINE STORAGE REELS

COMPETITOR CLASSIC STOR-LANE REEL

Newly redesigned with new transport handle and improved hardware design. Powder coated aluminum construction with PVC reel discs. Stores 525' of 4" lane lines and 300' of 6" lane lines. Size: 68" W x 46" D x 58" H.

51-005

51-010 Classic Stor-Lane Reel Cover



COMPETITOR CLASSIC PLUS REEL

Newly designed Stor-Lane reel with powder coated aluminum reel disks and aluminum core. Includes transport handle and 5" locking stainless casters. Stores 525' of 4" lane lines and 300' of 6" lane lines. Size: 70" W x 46" D x 58" H.

51-006 Classic Plus Stor-Lane Reel

51-010 Classic Plus Reel Cover



51-025

COMPETITOR ELITE STOR-LANE REEL

Powder coated aluminum construction with enclosed reel end panels for safety. Includes transport handle and 6" locking stainless casters. Stores 902' of 4" lanes and 492' of 6" lanes. Custom colors/logos available. Size: 83" W x 60" D x 71" H.

51-025

51-027 Custom Colors/Logos

51-026 Elite Stor-Lane Reel Cover



51-036

PARAGON LANE STORAGE REELS —

Constructed of stainless steel for long life. Choice of 5" zinc plated or 5" stainless steel locking casters. Storage Reel holds up to 540' of 4" lanes or 6" lanes up to 300'. Large Reel holds up to 720' of 4" lanes or 6" lanes up to 400'.

51-036 Lane Storage Reel

51-037 Lane Reel with S.S. Casters

51-038 Large Lane Reel

51-039 Large Lane Reel with S.S. Casters

51-040 Paragon Lane Reel Cover

51-041 Paragon Large Lane Reel Cover

51-034 Repl. zinc plated wheel kit, set of 4

51-035 Repl. stainless steel wheel kit, set of 4



51-015

XL LANE STORAGE REEL —

Large capacity lane line storage reel has more capacity than other reels. Storage capacity - 4" Lanes: up to 985' - 13x 75', 12x 25m, and 6x 50m. 6" Lanes: up to 575' - 7x 75', 7x 25m, and 3x 50m. Powder coated stainless steel with 5' diameter marine grade HDPE hand wheels and heavy duty, non-marking, locking casters. Color: silver gray. XL Storage Reel cover ordered separately. **3 Year Warranty.**

51-015

51-020 XL Storage Reel Cover



51-033

ULTIMATE MAXI-SIZE STOREEL — By Anti Wave. Powder coated aluminum, with 6" diameter center spool. Extra wide 79" width allows storage of more lanes. Capacity: 6" lanes - 5-75', 4-25m, or 2-50m and 4" lanes - 8-75', 7-25m, or 3-50m. Ultimate Storeel cover ordered separately. **3 Year Warranty.**

51-033

51-029 Ultimate Storeel Mesh Cover



51-042

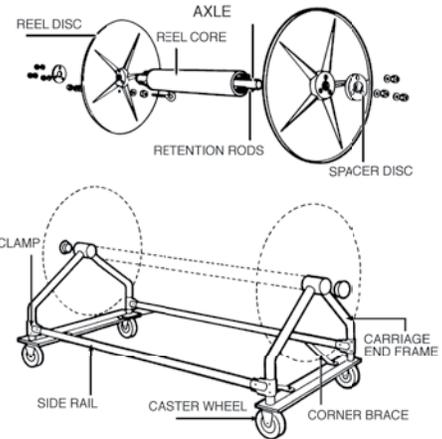
STORAGE REEL COVERS

CHAMPION™ LANE REEL COVER —

Heavy duty storage reel covers for any brand of storage reel. 12 oz. per sq. yd. vinyl laminate material for long life. Protects your lane lines and lane storage reel from fading and damage caused by UV exposure. Specify brand of storage reel when ordering. Color: blue.

51-042 Lane Reel Cover, 48" x 67"

51-043 Large Lane Reel Cover, 54" x 83"



COMPETITOR REEL PARTS

COMPETITOR REEL DISC

51-045

COMPETITOR SPACER DISC

51-050

COMPETITOR REEL CORE

51-055

COMPETITOR RETENTION ROD — Set of 3.

51-060

COMPETITOR AXLE

51-065

COMPETITOR SWIVEL CASTER WITH BRAKE

51-075

Equipment Storage



51-080

EQUIPMENT STORAGE

DECK STOR-A-WAY — Portable storage locker can be used indoors or outdoors. Heavy duty ABS plastic with UV stabilizer and rigid fiberglass base. Equipped with a full-height lockable door, self-draining shelves, interior door pocket storage, and ventilation holes for storing wet items. Mounted on 4 locking swivel casters. Size: 33" W x 31" D x 74" H. Color: blue.

51-080



51-090



51-090

STORAGE BENCHES — Fiberglass storage boxes with UV-resistant gel coat exterior. Includes: stainless steel hinge and cable stays with stainless lockable hasp. Optional items include: gas shocks, permanent dividers, removable shelves, side vents to allow ventilation, stainless steel handles, and set of 4 feet to raise bench off deck for cleaning and drainage. Color: white.

Item	Dimensions (WxDxH)
51-090	85" x 20" x 18"
51-091	72" x 20" x 18"
51-089	60" x 20" x 18"
51-092	48" x 20" x 18"
51-094	71" x 22" x 24 1/4"

STORAGE BENCH OPTIONS

- 51-105 Gas shocks, set of 2
- 51-095 Permanent dividers, each
- 51-096 Vent holes, each
- 51-097 Storage bench feet, set of 4
- 51-099 Stainless steel handles, pair



62-085
62-086

EQUIPMENT TOTEMASTER — Great for storing your aquatic supplies. Available in 3 sizes: **Original Totemaster** - 3 1/2'L x 2'W x 3'H or **Totemaster Mini** - 21"L x 21"W x 30"H, both with single lid opening and **Totemaster Plus** - 5'L x 2'W x 3'H with dual lid opening and internal divider. Made with 3/16" powder coated steel wire with lockable lids and 4 locking swivel casters. Color: blue.

- 62-085 Equipment Totemaster
- 62-086 Totemaster Plus
- 62-087 Totemaster Mini
- 62-092 Repl. wheel kit - 4 casters & 4 inserts



51-107



51-108

WALL MOUNTED STORAGE RACKS

Wall mounted storage racks keep kickboards and pull buoys neatly organized on the pool deck or in your equipment room. Constructed from high density plastic. Stores approximately 25-30 units each. Wall anchors not included.

- 51-107 Kickboard Shelving Unit
- 51-108 Pull Buoy Shelving Unit



51-086
51-085

ROLL AWAY BIN — Polyethylene storage bin with 4" casters. Ideal for storing your aquatic accessories and team supplies. 28" W x 42 3/4" L x 33" H. Optional Hinged Lid protects contents from the elements. Rugged 400 lb. capacity with metal caster frame underneath. Colors: white and black. Lid color: black only.

- 51-085 Roll Away Bin
- 51-086 Hinged Lid



51-125

FLOOR STORAGE HATCH

FLOOR STORAGE HATCH — Aluminum floor storage hatch available with 1/4" diamond tread plate or smooth aluminum plate for 1/8" in-fill of tile or carpet. Includes: stainless steel hinge, 1 1/2" threaded coupling to drain water runoff, slam latch, and removable key handle. Frame is epoxy coated for corrosion resistance. Hatch is counterbalanced and door automatically locks open at 90°. 300 lbs./sq. ft. load capacity. Additional sizes and double door hatches also available.

Size	Diamond Tread	Recessed Plate
24" x 24"	51-125	51-110
36" x 36"	51-130	51-115
48" x 48"	51-135	51-120



PARAGON STARTING PLATFORMS

STANDARD TOP SIZE 20" x 24"		TRACK START TOP SIZE 24" x 32"	
Single Leg	Dual Leg	Single Leg	Dual Leg

PARAGON ANCHORS

Single Leg Quickset Dual-Wedge	Single Leg Paraflyte	Single Leg Long Reach Paraflyte	Dual Leg Competitor Dual-Wedge

PARAGON STARTING PLATFORMS

PARAGON STARTING PLATFORMS — World renowned Paragon starting platforms are the standard by which all other platforms are compared. Made from the highest quality materials, Paragon starting platforms are designed to meet and exceed all ruling body standards for starting platforms.

Platform Design Choices: When deciding which platform is right for you, start by determining:

- 1) **What top size do I want?** Choice of 20" x 24" Standard top or 24" x 32" Track Start top.
- 2) **Which style platform do I want?** Choice of **Single Leg** design or **Dual Leg** design.
- 3) **Which style anchor do I want?** Single leg designs have a choice of **Quickset** or **Paraflyte** anchors and Dual Leg designs utilize **Competitor** Dual Leg anchor.

The **Competitor** style platforms utilize a twin legged design that slips in and out of the Competitor Dual Leg anchor assembly, with new Dual-Wedge design. **Quickset** style platforms utilize a single pedestal design that slips into single Quickset anchor socket, with new Dual-Wedge design and Taper Lock base. **Paraflyte** style platforms utilize a single pedestal design that is bolted into the Paraflyte anchor socket.

Paragon platform designs listed above also come in two heights. **Full Height** and **Low Height (Varsity)**. The platforms are also available in **Standard** and **Long Reach** styles, based on gutter design needs.

When ordering platforms:

- 1) **Determine maximum height of block above water surface** according to the ruling body that governs your swim programs
- 2) **Confirm the pool water depth** at the block installation location.
- 3) **Determine "A" dimension.** This is the desired height of your platform over the water surface minus the deck-to-water level measurement.
- 4) **Determine the "B" dimensions.** Desired set back from the vertical pool wall. These dimensions vary according to the platform height and style you select. Care should be taken to insure the desired anchor installation location is clear of obstructions such as gutters, deck drains, diving stands, etc.

Your Lincoln Representative can help you select the proper starting platform for your facility.

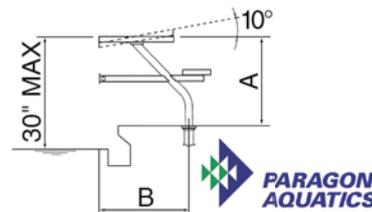
TOLL FREE (800) 223-5450

Ruling Body	WATER DEPTH	
	Less than 4'	Equal to or more than 4'
NCAA	N/A	30" MAX
USAS	No Starting Platform	20" - 29 1/2" L.C. 30" MAX S.C.
USMS		20" - 29 1/2" L.C. 30" MAX S.C.
NFHS		30" MAX
4'6" or over only		
FINA	20" - 29 1/2" L.C./S.C.	

***NOTE:** These are minimum water depths and are subject to change. Please verify.

WATER DEPTH MEASURING SPECIFICATIONS

FINA: 3 ft. 3 1/2 in. to 19 ft. 2 in. from pool wall
NCAA: minimum 4 ft. throughout recommended
USAS: 3 ft. 3 1/2 in. to 16 ft. 5 in. from pool wall
USMS: 3 ft. 3 1/2 in. to 16 ft. 5 in. from pool wall
NFHS: from pool wall to 16 ft. 5 in.



NOTE: "B" dimension varies as indicated according to platform height, "A" dimension.



Competitor Track Start — Side Mount Platform



Track Start Quickset — Rear Mount Platform

NOTE: See page 164-165 for The Colorado Block by Paragon and Colorado Time Systems.

Starting Platforms

FULL HEIGHT STARTING PLATFORMS



52-010

Competitor Track Start-Side Mount Platform

STANDARD STARTING PLATFORMS

PARAGON STANDARD STARTING PLATFORMS Up to 30" above water surface. All platforms utilize white sand finish polypropylene tops. Top sizes are: 20" x 24", except Track Start tops which are 24" x 32". Custom colored tops available for additional charge - inquire. Specify plain or numbered platforms when ordering. Platforms are provided with 10° sloping tops unless level tops are requested. Horizontal backstroke bars standard. Vertical backstroke bars (FINA) optional. Includes anchor.

Item	Platform Style	"B" Dimension
52-005	Competitor	18"
52-010	Comp. Track Start - Side Mt.	18", 24"
52-030	Comp. Track Start - Rear Mt.	36" - 40"*
52-031	Track Start QS - Rear Mt.	21" - 26"
52-032	Track Start QS - Side Mt.	21" - 26"
52-015	Standard Quickset	21" - 26"
52-020	Standard Paraflyte	21" - 26"

***NOTE: Models with 36" - 40" "B" dimensions utilize 10" high anchors.**



52-030

Competitor Track Start-Rear Mount Platform



52-032

Track Start Quickset-Side Mount Platform



Competitor Platform

52-005



Standard Quickset Platform

52-015



Standard Paraflyte Platform

52-020

LONG REACH STARTING PLATFORMS

PARAGON LONG REACH STARTING PLATFORMS — Up to 30" above water surface. All platforms utilize white sand finish polypropylene tops. Top sizes are: 20" x 24", except Track Start tops which are 24" x 32". Custom colored tops available for additional charge. Long Reach style platforms are designed to span long distances due to special gutter configurations. Specify plain or numbered platforms when ordering. All platforms are provided with 10° sloping tops unless level tops are requested. Includes anchor.

Item	Platform Style	"B" Dimension
52-025	Competitor Long Reach	20" - 29½"
52-026	Competitor Long Reach	30" - 40"*
52-030	Track Start Long Reach	36" - 40"*
52-035	Quickset Long Reach	34½"
52-040	Paraflyte Long Reach	34½"

***NOTE: Models with 30" - 40" "B" dimensions utilize 10" high anchors.**



Competitor Long Reach (20-29½") 52-025



Competitor Long Reach (30-40") 52-026



Quickset Long Reach

52-035



Paraflyte Long Reach

52-040

NOTE: See page 150 for platform anchors, platform top refinishing and accessories.



STARTING PLATFORM OPTIONS

PARAGON PLATFORM COLORS — Add color to your new sand finish starting platform tops, steps, and pedestals. Color adds identity and is great for emphasizing team, facility, or school colors. Standard colors: blue, red, cranberry, green, black, yellow or your own PMS number color. Optional custom powder coating upgrade available for starting platform pedestals. Add-on charge to cost of platform.

- 52-105 Platform Colors - each
- 52-107 Pedestal Powder Coating - each



52-110

PARAGON CUSTOM LOGOS — Add facility logos to your Competitor Track Start and Competitor style platform tops. The addition of your logo promotes your facility and gives your program a custom look. Supply facility logo artwork and PMS color requirements.

52-110



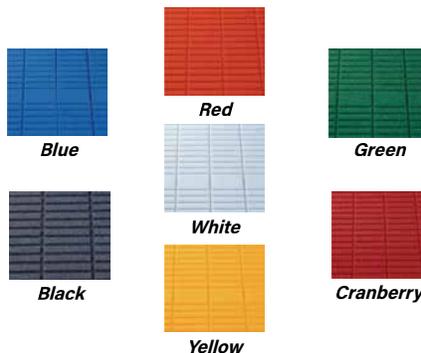
52-250
52-255

52-032

TRACK START PLUS KITS

TRACK START PLUS PLATFORM KIT — Adjustable, angled backplate and side hand grip kit can be added to your new and existing Track Start platforms. FINA, USA Swimming, NCAA, and NFHS approved. Optimizes the position of the swimmers rear leg, for a more powerful start. The 30° backplate assembly (9" x 24") mounts to side of platform top, is easily removable, and adjusts to five positions. Side hand grip kit can be purchased separately from the backplate kit. Available in stainless or black powder coat finish. Can be used with Colorado Time Systems RJP's. Available in white and a variety of optional sand top colors - inquire. Includes mounting hardware.

- 52-250 Adjustable Backplate Kit
- 52-255 Side Hand Grip Kit, set of 2, black
- 52-256 Side Hand Grip Kit, set of 2, stainless
- 52-260 Color Upgrade for Backplate
- 52-265 Powder Coat Upgrade for Side Hand Grip Kit



52-160

TRACK START PLUS STS KIT — Side-to-Side (STS) Backplate kit mounts under platform top and is adjusted to achieve faster starts. FINA, USA Swimming, and NFHS approved. 9" x 10" polypropylene backplate slides to left or right push off position and can be easily removed for storage. For platforms with 20" x 24" tops only. Powder Coating and custom color backplates available for extra cost- inquire. Top Color: white.

52-160

NOTE: See page 150 for platform anchors, platform top refinishing and accessories.



Starting Platforms & Accessories



52-115

Competitor Dual-Wedge Anchor



52-156

Quickset Dual-Wedge Anchor



Single Leg Paraflyte



Single Leg Long Reach Paraflyte

PARAGON PLATFORM ANCHORS STARTING PLATFORM ANCHORS

- 52-115 Competitor Dual-Wedge anchor, 6"
- 53-110 Competitor cap only
- 52-131 Competitor Dual-Wedge anchor, 10"
- 52-117 Repl. Competitor wedge assembly
- 52-120 Repl. Competitor D-W anchor cover
- 52-140 Repl. Standard Quickset cap only
- 52-156 Quickset Dual-Wedge anchor
- 52-157 Repl. QS wedge assembly
- 52-158 Repl. QS Dual-Wedge anchor cover
- 52-145 Standard Paraflyte anchor
- 52-150 Repl. Standard Paraflyte cap only
- 52-155 Paraflyte Long Reach anchor

PARAGON ANCHOR SHIMS

- 52-162 Competitor Anchor Shim, each
- 52-163 Quickset Anchor Shim, each
- 53-095 Socket Key

Before



After

PLATFORM REFINISHING

PARAGON SAND TOP REFINISHING — Existing polypropylene tops can be refinished with new sand finish. Improves platform safety and looks. Color: white. Custom colors available for additional charge.

- 52-179 Paraflyte/Quickset refinish, w/step
- 52-180 Competitor refinish
- 52-185 Track Start refinish, w/side step
- 52-186 Track Start refinish, w/rear step
- 52-187 Varsity Long Reach refinish, w/2 step
- 52-188 Varsity Shortee refinish, w/o step



52-111

BACKSTROKE START DEVICE

CTS BACKSTROKE START DEVICE— By Colorado Time Systems. FINA Approved Anti-Slip backstroke start device for faster backstroke starts. Retractable 10 degree wedge mounts on any starting platform with adjustable straps. Automatically retracts after start. Compatible with most starting platforms and gutter configurations.

52-111



PLATFORM MOUNTING STRAP

BACKSTROKE START SYSTEM AND TRAINER — By SR Smith. Designed to help make backstroke starts faster and reduce the chance of slipping at start of a race. Available as a basic Start Training Device with platform mounting strap or as a complete retractable Start System, that has three unique mounting options, which is FINA 2.1 compliant for competition.

- 52-125 Backstroke Start Training Device
- 52-126 Backstroke Start System
- 52-127 In-Deck Anchoring Kit
- 52-128 Pool Wall Mounting Kit with Strap
- 52-129 Platform Post Mounting Kit



IN-DECK ANCHORING KIT



POOL WALL MOUNTING KIT + STRAP



PLATFORM POST MOUNTING KIT





52-300



52-340

SR SMITH VELOCITY PLATFORMS VELOCITY DUAL POST PLATFORMS—

The Velocity Starting Platform is the next generation of starting blocks. The fiberglass footboard has outstanding strength as well as a sleek, high-tech appearance. The power-coated, stainless steel frame is secured to the pool deck with the patented, RockSolid® anchor (not included) to eliminate platform movement and also features a large gusset for displaying lane numbers. Custom color treads and team logos available on sand tread footboard models. Top size: 28" x 32". **Meets FINA, NCAA, NFSHSA, USMS, USAS competition pool rules and regulations.**

Setback Ranges:

- 18" to 26" Standard
- 27" to 36" Long Reach

Optional accessories: Side Handles and Safety Cover.

Velocity Platform with Track Start

- 52-300 Velocity Standard w/ TrueTread
- 52-305 Velocity Standard w/ SandTread
- 52-310 Velocity Long Reach w/ TrueTread
- 52-315 Velocity Long Reach w/ SandTread

Velocity Platform without Track Start

- 52-320 Velocity Standard w/ TrueTread
- 52-325 Velocity Standard w/ SandTread
- 52-330 Velocity Long Reach w/ TrueTread
- 52-335 Velocity Long Reach w/ SandTread
- 52-375 RockSolid Anchor Dual

VELOCITY SINGLE POST PLATFORMS

This single post platform features fiberglass footboard to offer outstanding strength. Available with TrueTread or Sand Tread footboard surface. Colorado and Daktronics timing systems compatible. Track start wedge (5 positions) tucks under footboard when not in use. Uses patented RockSolid® anchoring system (order separately) Retrofitable onto existing S.R. Smith Legacy frames. Top size: 28" x 32". **Meets FINA, NCAA, NFSHSA, USMS, USAS competition pool rules and regulations.**

Setback Ranges:

- 21" to 26" Standard & Side Mount
- 27" to 32" Mid-Range
- 33" to 40" Long Reach
- Height off Deck: 17" to 29.5"

Optional accessories: Side Handles, four back stroke handle options, and Safety Cover.

Velocity Single Post Platforms

- 52-340 Velocity Sidemount w/ TrueTread
- 52-345 Velocity Sidemount w/ SandTread
- 52-350 Velocity Sidemount Long Reach w/ TrueTread
- 52-355 Velocity Sidemount Long Reach w/ SandTread
- 63-375 RockSolid Anchor



52-275

VELOCITY ADVANTAGE PLATFORMS

The Velocity Advantage starting block is the next generation of starting blocks. The block is constructed from marine grade HOPE composite base with a fiberglass footboard that is available with TrueTread or sand tread top surface. Mounts easily to pool decks or bulkheads. Adjustable track start wedge is included and easily tucks under the platform, when not in use. Integral backstroke start ledge is adjustable to 5 positions. TrueTread Colors: blue, gray, red, or yellow. Sand Tread color: white. Custom color treads and team logos available on sand tread footboard models- inquire. 16" block height- fits 8" to 13 1/2" deck-to-water dimension pools. Top size: 28" x 32". Anchors ordered separately. **Meets FINA, NCAA, NFSHSA, USMS, USAS competition pool rules and regulations.**

- 52-275 Advantage Platform with TrueTread
- 52-280 Advantage Platform with Sand Tread
- 63-285 Advantage Anchor



Starting Platforms, Accessories, & Pennants



52-360

SR SMITH LEGACY PLATFORMS LEGACY STARTING PLATFORMS —

Available in single post styles with square tubing and dual post styles with round tubing. Powder-coated stainless steel frame with high impact footboards and non-slip tread. Choose from four different backstroke handle designs- Angled, Horizontal, U-Handle, or H-Handle. Patented RockSolid single post and RockSolid dual post anchors ordered separately. Standard stainless dual post anchor also available. Frame Colors: pearl white, taupe, silver gray, or royal blue. Sand Tread Colors: white, red, blue, green or yellow. Blocks can be customized with team logos and colors for additional charge- inquire. Optional side handles available. 24" x 32" platform top size. Provide pool deck-to-water level dimension. **Meets FINA, NCAA, NFSHSA, USMS, USAS competition pool rules and regulations.**

Legacy Dual Post Platforms

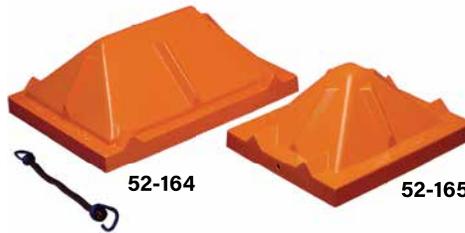
Item	Description	Set Back
Legacy Dual Post Platforms		
52-360	Dual Post Standard	18" - 26"
52-365	Dual Post Long Reach	27" - 36"
52-375	RockSolid Dual Post Anchor	
52-380	Standard Dual Post Anchor	
52-370	Side Handles - Dual Post	
Legacy Single Post Platforms		
52-301	Single Post Standard	21" - 26"
52-302	Single Post Standard - Side Mount	21" - 26"
52-303	Single Post Mid-Range	27" - 32"
52-304	Single Post Long Reach	33" - 40"
52-375	RockSolid Single Post Anchor	
52-369	Side Handles - Single Post	



52-365



52-370



52-164

52-165

PLATFORM SAFETY ACCESSORIES PLATFORM SAFETY COVERS —

Lightweight polyethylene covers prevent unauthorized use of platforms. Covers stack easily for storage. Includes bungee cord. Available to fit 24" x 32" or 20" x 24" platform top sizes. Color: orange.

52-165 24" x 20"

52-164 24" x 32"



52-168

SR SMITH PLATFORM SAFETY COVERS —

Domed acrylic starting platform safety cover prevents unauthorized use of starting platforms. Bungee cords help to keep the cover secure on the starting platform. Dimensions are 13" x 17".

52-168



COMPETITOR BACKSTROKE PENNANTS —

Oxford nylon material available in 11" x 14 1/2" and 12" x 18" sizes. Available colors: red, yellow, orange, white, blue, green, purple, black, Vegas gold, gray, burgundy, sky blue, or navy. Mounts on braided nylon cord with zinc plated swivel hook. Champion hardware cable and hardware package ordered separately, if desired. Flags can be customized with numbers, letters, or logos on one or both sides of flags- inquire. **Meets FINA, NCAA, NFSHSA, USMS, USAS competition pool rules and regulations.**

Legacy Dual Post Platforms

53-021 Backstroke pennants- 11"x14 1/2", each

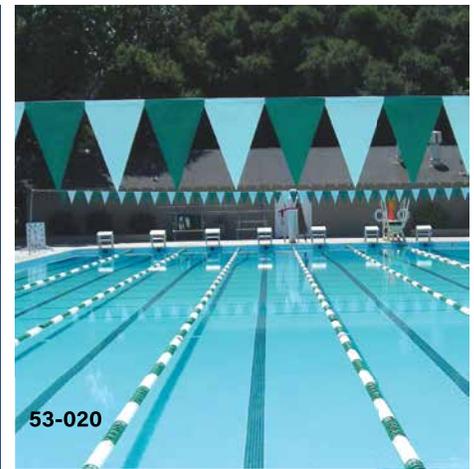
53-022 Backstroke pennants- 12"x18", each

53-023 Pennants custom letters and numbers

53-024 Custom logo set-up charge, per color

53-025 Competitor pennants 3/16" braided nylon cord, per ft.

53-026 Competitor pennants swivel hook



53-020

BACKSTROKE PENNANTS

CHAMPION™ BACKSTROKE PENNANTS

Heavy duty backstroke pennants constructed of 12 oz. vinyl coated polyester. Triangular pennants, size: 12" x 18". Individual flags are strung onto 3/16" vinyl coated stainless steel cable with brass swivel hook on one end and ratchet take-up reel on other end. When ordering specify: number of pennants required; cable length needed between pennant stanchions or pennant anchoring points and hardware package for each pennant line. Hardware package includes: ratchet take-up reel, brass swivel hook and flag retainer clamps. Assembly required. Specify colors: navy blue, royal blue, medium blue, white, red, green, yellow, orange, purple, light gray, black, brown, and maroon.

53-020 Champion™ backstroke pennants, each

50-175 Vinyl covered cable, per ft.

53-030 Hardware package, each

53-035 Custom lettering

44-120 Replacement brass swivel hook

50-160 Replacement ratchet reel

BACKSTROKE PENNANTS — 12 oz. vinyl backstroke pennants with canvas header. Size: 12" x 18". Flags available in standard 50' length with additional 5' tie ends. Special tie end lengths and special lengths/colors available. Colors: navy blue, royal blue, medium blue, white, red, green, yellow, orange, purple, light gray, black, brown, and maroon. Quick Ship colors: red & white, blue & white, and green & white alternating. Inquire for custom lettering/numbering.

53-005 50' multi-color

53-006 50' Quick Ship

53-007 60' Quick Ship

53-008 75' Quick Ship

53-010 Special lengths / special colors

53-015 Custom lettering / numbering



53-005



STANCHION POSTS

BACKSTROKE PENNANT STANCHIONS — 8' high stainless steel poles with end cap and welded u-hook to suspend pennants over the racing lanes. Anchors/poles are positioned 15 ft. from pool end for short course and 5 meters for long course configurations. Available in round tube and square tube styles. Stanchion only. **Round Tube** - Sliding collar with eyebolt and post anchor (round) ordered separately. **Square Tube** - Rope cleat welded to stanchion side wall. Post anchor (round) ordered separately. Tagline Style- Three leg style Tagline stanchion with top eyelet. Sliding collar with eyebolt and Tagline post anchor ordered separately.

Item	Style	Wall Thickness	Diameter
53-055	Round	.065" wall	1.90"
53-060	Round	.109" wall	1.90"
53-065	Round	.145" wall	1.90"
53-068	Round	.145" wall	1.90" Tagline
53-067	Square	.125" wall	1.90"/2.50"



FALSE START STANCHIONS — 4'6" high round stainless steel tube capped at one end with a stainless steel closure plate and U-hook for recalling swimmers. Placed 36' from end of the pool. Two posts required. Stanchion only. Sliding collar with eyebolt and post anchor ordered separately.

- 53-070 4'6" x .065" wall
- 53-075 4'6" x .109" wall
- 53-080 4'6" x .145" wall

NOTE: Your Lincoln Representative can assist you in designing your backstroke pennants. Material samples available upon request.



53-117

53-115

SLIDING COLLAR WITH EYEBOLT

- 53-115 Round
- 53-116 Eyebolt only for sliding collar
- 53-117 Square



53-088

FALSE START STANCHION ANCHOR

Marine grade 316 stainless steel provides high corrosion resistance for harsh pool environments.

- 53-087 6" SS Anchor 1.90" I.D.
- 53-088 6" SS Anchor 1.50" I.D.



53-084 53-100 53-085 53-090 53-095

STANCHION ACCESSORIES

STANCHION ANCHORS — Cast bronze or stainless steel anchors with cap for covering socket when stanchions are not in use. For use with 1.90" dia. stanchions. Socket key for removing cap ordered separately.

- 53-084 Bronze anchor with threaded cap
- 53-116 Bronze anchor w/tamper-proof cap
- 53-090 Stainless anchor with slip cap
- 53-091 Tagline stainless anchor w/ slip caps
- 53-095 Socket key
- 53-100 Spanner wrench key
- 53-106 Repl. bronze tamper-proof cap only
- 53-110 Repl. stainless slip cap only
- 53-111 Repl. bronze threaded cap only

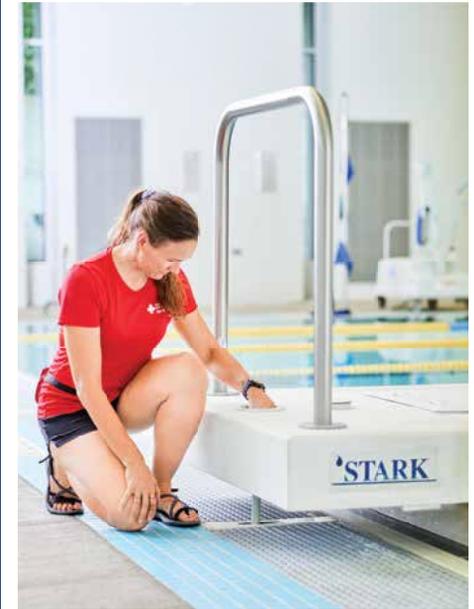


CROWD CONTROL STANCHIONS

CROWD CONTROL STANCHIONS — Lightweight polyethylene stanchions are designed for effective crowd control. Base is hollow so it can be filled with sand, gravel, or liquid for added weight. Stanchion stands 41" tall with 14" dia. base. 1 1/2" x 9' chain sections sold separately. Colors: white, yellow or black.

- 53-130 Crowd control stanchion, each
- 53-135 9' stanchion chain, each

Bulkheads



FIBERGLASS BULKHEADS

STARK FIBERGLASS BULKHEADS — By S.R. Smith. The use of a Stark Fiberglass Bulkhead will transform your pool into a multi-use facility and maximize programming and competition layouts. The movable bulkhead is custom engineered to fit your existing pool or can be planned and designed into your new facility. With a movable bulkhead, you can increase pool usage and improve program flexibility. One-piece, monolithic design uses composite fiberglass materials for longevity and durability. Bulkheads can be fitted with timing systems, starting platforms, water polo goals, and stanchion anchors. The Stark Bulkhead's structural air chamber makes floating and moving the bulkhead fast and simple, with no internal connection points or bladders to fail. Easy to move with no rollers or tracks. 100% flow-thru opening at the waterline, plus 80% flow-thru at the toe holds, allows turbulence to pass through the bulkhead slots, which double as a handhold. Available in custom lengths with standard widths from 4' to 8'. Slip-resistant face and top. Includes: racing lane targets, stainless steel lane line anchors, and starting platform anchors. Color: white with black lane targets. Custom colors available. **Complies with FINA, NCAA, and USA Swimming rules and regulations. 25 Year Warranty.**

67-040





SWIMWALL SYSTEMS

SWIMWALL SYSTEM — By S.R. Smith. Floor mounted SwimWall Pool Divider adds flexibility to your swim programs by providing additional lanes to use. The SwimWall is positioned on the pool floor when not in use. From the pool deck, air is pumped into the SwimWall causing it to pivot into a vertical position. Lane lines can remain in place and it is locked into place on the pool wall with a stainless locking. Can be installed in new pools or as a retrofit for existing pools. Durable fiberglass construction with non-slip surface and infused color for longevity and minimal maintenance. Swim Wall remains on the pool floor while it is not in use. Pivoting anchors can be installed on concrete, tile, vinyl lined, and fiberglass coated steel pools. Width, height, and wall thickness are customized to your facility needs.

67-050 SwimWall System

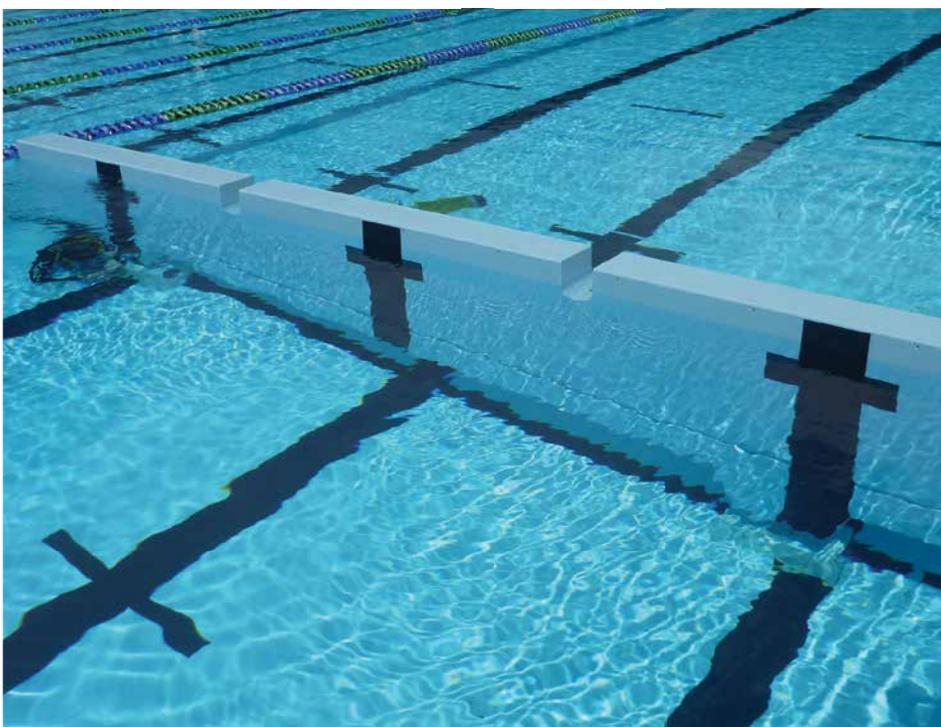


PORTABLE SWIMWALLS

TURNMASTER PRO™ SWIMWALL — State of the art portable bulkhead increases the use of your pool for training and swim programming, at the same time. Use for lap swim or for competitive swim training to practice turns, underwater streamlines, and race finishes. Also allows you to separate your pool, so you can simultaneously hold lesson programs, while you're open for lap swim. Individual lane bulkhead is made of chlorine resistant Vinyl Ester fiberglass, capable of withstanding the impact of race-speed turns. Simple for two people to install within minutes. Deck or gutter straps ordered separately. Each TurnMaster Pro™ includes wheels for easy transport and storage. Mounts to lane lines. Available in varying sizes, based on lane width. Custom sizes available - inquire.

67-005 TurnMaster Pro™, 6'9" wide

67-008 TurnMaster Pro™, 8'2" wide





54-004

54-002

KICKBOARDS

CHAMPION™ KICKBOARDS — Sturdy foam kickboard will provide years of continued use. Smooth finish with contoured edges for better gripping. Junior kickboard is slightly softer for less stress on smaller swimmer's shoulders.

Item	Description	Size	Color
54-002	Champion™ Kickboard	18" L x 11 1/2" W	Blue
54-004	Champion™ Junior Kickboard	14" L x 10" W	Yellow



54-007

54-008

TYR® CLASSIC KICKBOARD — Designed to build lower body strength, the board immobilizes your arms and isolates your legs, increasing power with every kick. Constructed with durable, closed cell EVA foam to ensure extended product life and performance. Size: 20" x 11.5"

54-007 TYR® USA Kickboard

54-008 TYR® Black Kickboard



KEMP KICKBOARD — Constructed using firm, durable EVA foam they will not chip, break, or absorb water. Will withstand long term, repeated use. Specify Color: royal blue, red, yellow or purple (large only).

Item	Description	Size
54-010	KEMP Large Kickboard	18 3/4" L x 10 1/2" W
54-015	KEMP Small Kickboard	15 1/4" L x 9 3/4" W



54-100

HAND PADDLES

TYR® CATALYST STROKE TRAINING PADDLES — Engineered for training at every level, the TYR® Catalyst Stroke Training Paddles follow the form of an athlete's palm to provide a natural swim experience when training. Designed to build strength and improve technique, the clear surface of every paddle helps athletes to better assess proper hand positioning. Specify size: XXS, XS, S, M, L, XL, or XXL.

54-100



54-094

AGILITY FLOATING PADDLES — The Agility Paddles are designed to provide swimmers with instant stroke feedback. Now made in a new floating material that is great for all swimmers, from learn-to-swim to triathletes. The strapless design fits the natural contour of your hand and teaches you to apply positive pressure throughout your stroke. If you do not maintain a proper stroke, the paddle will let you know by shifting or falling off. Specify size: XS, S, M, or Large.

54-094



54-043

54-044

PULL TRAINING

CHAMPION™ PULL BUOYS — Sturdy foam Pull Buoy designed for developing upper body strength. Available in two sizes for various leg sizes.

Item	Description	Size	Color
54-043	Champion™ Pull Buoy	9 3/8" L	Blue/White
54-044	Champion™ Junior Pull Buoy	8 1/4" L	Blue/Yellow



TYR® PULL FLOAT — The perfect training aid for swimmers on all levels the TYR® Pull Float increases resistance and weight in the water, to help develop upper body strength and proper technique. Specify color & size: black/blue or USA (standard only).

Item	Description	Size
54-041	TYR® Pull Float	9 5/8" L
54-042	TYR® Junior Pull Float	8 3/4" L



54-048

KEMP PULL BUOY — Constructed using durable EVA foam. Develops endurance and upper body strength by neutralizing the kicking motion.

54-048



TRAINING FINNS

TYR® FLEXFINS 2.0 — Engineered for swim training regimens and exercise routines. Designed to increase leg strength and enhance foot flexibility. Color-coordinated by size for easy identification on the pool deck. See sizing chart below.

55-100



TYR® CROSSBLADE FINNS 2.0

— Engineered with an intermediate blade to promote increased tempo and speed through the legs when moving through the water. 100% Natural Rubber construction and new thickened foot pockets. See sizing chart below.

55-110

TYR Fin Sizing Chart
XXXS* (Kid's Shoe 12-1) *Flexfin 2.0 only
XXS (Kid's Shoe 1-3)
XS (Men's Shoe 3-5, Women's 4.5-6.5)
S (Men's Shoe 5-7, Women's 6.5-8.5)
M (Men's Shoe 7-9, Women's 8.5-10.5)
L (Men's Shoe 9-11, Women's 10.5-12.5)
XL (Men's Shoe 11-13, Women's 12.5-14.5)
XXL (Men's Shoe 13-15, Women's 14.5+)



TECHNIQUE TRAINERS

UNDERWATER MIRROR — Reinforced, polished aluminum mirror provides instant visual feedback on stroke technique. Place mirror on the bottom of the pool or secure to the pool wall for flip turn feedback. Dimensions: 28" W x 45½" L.

54-120



FINIS TEMPO TRAINER PRO — The small, waterproof device easily secures beneath a swim cap and transmits an audible tempo beep. Adjustable tempo offers the ability to identify and maintain an ideal pace. Three different training modes offer ultimate customization. Includes a clip for dryland exercise.

54-108



54-136

FOREARM FULCRUM — Promotes stroke refinement through muscle memory of proper hand, wrist, and forearm position. Versatile tool for all four strokes. Prevents shoulder stress without losing feel for the water. Size/Color: Senior (yellow) or Junior (blue).

54-135 Junior

54-136 Senior



55-126

55-128

55-127

SWIMMERS SNORKELS — The small, waterproof device easily secures beneath a swim cap and transmits an audible tempo beep. Adjustable tempo offers the ability to identify and maintain an ideal pace. Three different training modes offer ultimate customization. Includes a clip for dryland exercise.

55-126 Senior Swimmers Snorkel

55-128 Junior Swimmers Snorkel

FREESTYLE SNORKEL — The curved shape promotes proper head position, with the eyes down. Swimmers can relax in the water while maintaining proper body alignment and improving stroke technique for maximum efficiency. With reinforced stability, the Freestyle Snorkel allows swimming with a full range of motion, including flip turns.

55-127

Training Aids



55-130
55-135

LAP COUNTER

LAP COUNTER — Display may be placed in the water, held or be self-standing on the deck. The numbers rotate on a vertical axis. Numbered to lap 69, with fluorescent last lap card. Plastic. Size: 14" x 14". Plastic handle adapter bracket allows easier placement of lap counter underwater. Lap counter and handle adapter bracket ordered separately.

- 55-130 Lap counter
- 55-134 Handle adapter bracket w/o pole
- 55-135 Handle adapter with 5' pole



55-135 55-130 55-134



56-029

TEACHING PLATFORMS

REVERSIBLE SWIM STATION — Build confidence quickly with the addition of an elevated swim station. Reversible platform provides different heights (14" & 20" above pool floor) for various age groups. Aluminum frame, non-skid plastic surface. Frame rails feature fluted 1⁵/₈" dia. non-skid PVC surface. Size: 32" x 54". Weighs 65 lbs.

56-029



56-051

AQUA CREEK SWIM PLATFORM

— Constructed out of durable PVC and polypropylene. The Aqua Creek platform is the perfect teaching tool for your facility. Includes adjustable legs (16" to 21") and removable handrails you can customize to your desired needs. Weighted legs prevent unit from floating while the non-skid rubber feet prevent platform from moving on the pool floor. Weight capacity: 300 lbs. Size: 36" x 60".

56-051 Aqua Creek swim platform



56-030

56-037

LINCOLN SWIM TEACHING STATION

— Provides shallow water for children's swim programs. Contrasting colors create a visible edge underwater for added safety. Powder coated aluminum frame with PVC reinforced aluminum rails remove easily with quick release pins for compact storage. PVC safety rail height 28". Standard leg height 12"-16". Extra tall leg height: 15"-19". Size: 60" x 38". Includes: 1-60" back rail and 1-38" side rail, and rail plugs. Optional back rail and side rails can be ordered separately to totally surround teaching platform. Weighs 53 lbs.

- | | |
|---|------------------------------|
| 56-030 Lincoln Swim Station, standard | 56-034 Rubber leg cap, set 4 |
| 56-035 Lincoln Swim Station, extra tall | 56-036 Back rail, 60" |
| 56-031 Standard leg extension, set 4 | 56-037 Side rail, 38" |
| 56-032 Extra tall leg extension, set 4 | 56-038 Rail plugs, each |
| 56-033 Stainless pin, set of 4 | 56-061 Rubber bumper, each |



56-030



56-060



ADJUSTABLE HEIGHT TEACHING PLATFORM — Provides a secure, elevated surface for your lesson programs. Stainless steel with non-skid cross-grooved sand textured deck. Legs are adjustable in 2" increments via quick release pin with five height positions. Platform places swimmers 18" - 26" above pool floor. Size: 60" x 30". Includes easy grip rails on 3 sides for added security. Weighs 175 lbs.
56-060 Adjustable Height Teaching Platform
56-061 Rubber bumper insert, each



SWIM TEACHING FLOAT
FLOATING ISLAND — Provides safe and fun learning environment for new swim lesson participants. EVA foam floats in water, allowing children to comfortably lie on top. Holes in island allow water to seep through so children can build confidence. Can be used as a learn-to-swim tool or for poolside fun. Children should be supervised at all times while using the Floating Island for learn-to-swim programs. Size: 50" W x 35" H x 1" D.
63-082



44-003

CHILDREN'S SAFETY VEST
HEADS-UP NYLON SAFETY VESTS
 Type III Heads-up Safety Vests feature an adjustable belt, leg strap, and zipper front closure and rounded collar with grab strap. Color: red.
44-003 Infant Heads-up Vest, 30 lbs.

NOTE: See page 126 for a full selection of Safety Vests and Life Jackets.



56-062

CHILDREN'S SWIM DIAPER
TYR® ADJUSTABLE SWIM DIAPER — Adjustable swim diaper for babies and young toddlers. In addition to snap down sides for easy on/off wear, these super soft diapers are reusable and washing machine friendly. Specify size: small (10-20 lbs.), medium (20-24 lbs.) or large (24-30 lbs.). Color: blue or purple.
56-062



56-065

SWIM TRAINER — For swim lessons or water exercise classes. 30" PVC bar with 7" floats.
56-065

Pace Clocks

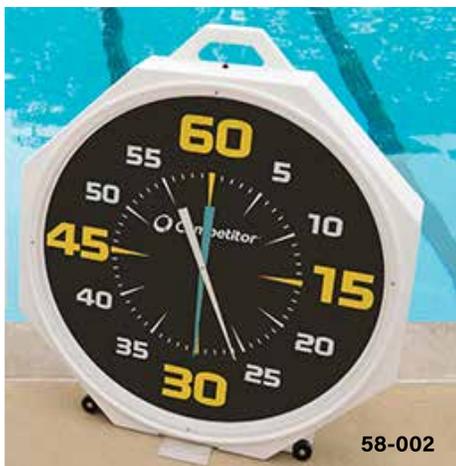


58-005
58-015

PACE CLOCKS

COMPETITOR PACE CLOCKS — 31" diameter clock. Can be either wall mounted or secured to a roll away stand (sold separately). Available in a Battery version (C cell battery included) or an Electric version (110 volt) with 18 ft. power cord. On/off switch mounted on top of clock. Portable roll away stand is unassembled. Colors: white clock body with either white face with red and blue lettering or with black face with yellow and white lettering. Specify.

58-005 31" Pace Clock - electric
58-010 31" Pace Clock - battery
58-015 Portable Roll-away stand



58-002

COMPETITOR PACE CLOCKS — 37" diameter clock. Available in a Battery version (C cell battery included) or an Electric version (110 volt) with 18 ft. power cord. On/off switch mounted on top of clock. Clock is equipped with retractable stabilizing plate. This clock comes with a built in stand. Colors: white clock body with either white face with red and blue lettering or with black face with yellow and white lettering. Specify.

- 58-001** 37" Pace Clock - electric
58-002 37" Pace Clock - battery

COMPETITOR PORTABLE PACE CLOCK — 15" diameter clock with integrated carry handle. Ideal for poolside deck use. Battery operated (1 AA battery included). Colors: Red or white clock housing with either white face with red and blue lettering or with black face with yellow and white lettering - specify.

58-045

COMPETITOR PACE CLOCK PARTS - 31" & 37"

Description	Electric	Battery
Minute hand - black or blue	58-025	58-031
Second hand - red or white	58-030	58-032
Replacement Motor	58-035	58-041
Replacement Lens - 31"	58-020	58-020
Replacement Lens - 37"	58-021	58-021



58-040

58-030

58-035

PORTABLE PACE CLOCK PARTS - 15"

- 58-043** Repl. second hand - red or white
58-044 Repl. minute hand - black or blue
58-040 Repl. motor - battery
58-042 Repl. lens - 15"



59-304

DIGITAL PACE CLOCKS

BASIC PACE CLOCK — By Colorado Time Systems. Four large 10" LED digits can be adjusted for indoor or outdoor use. Can be run as standalone pace clock, or set to run in a series of pace clocks, with synchronized time displays. Available standard or wireless. Wireless version can transmit and receive data wirelessly. Can be used with or without a controller. Portable Pace Clock/Shot Clock can run as standalone pace clock or set for Water Polo functionality. Shot clocks must be connected to game timer. Includes internal horn. Can be used with or without a controller. Ultimate Pace Clock Controller ordered separately. Available with red or amber digits - specify. Basic Pace Clock - 110 VAC only. Portable Pace Clock/Shot Clock - 110 VAC and battery powered.

59-301 Basic Pace Clock

59-304 Basic Pace Clock - wireless

59-302 Portable Pace Clock/Shot Clock



59-306

PRO PACE CLOCK/SHOT CLOCK — By Colorado Time Systems. Four large 10" LED digits can be adjusted for indoor or outdoor use. Pro Pace Clock offers enhanced functionality which includes 15 training modes to fine-tune skills and create customized workouts. Can be run as standalone pace clock or set for Water Polo Shot Clock functionality. Shot clocks must be connected to game timer. Includes internal horn. Available standard or wireless. Wireless version can transmit and receive data wirelessly. Can be used with or without a controller. Ultimate Pace Clock Controller ordered separately. Pro Pace Clocks can display additional information when connected to inputs from a System 5 or System 6 Timing System. Available with red or amber digits - specify. 110 VAC and battery powered.

59-306 Pro Pace Clock/Shot Clock

59-307 Pro Pace Clock/Shot Clock-wireless

DIGITAL PACE CLOCK OPTIONS

59-303 Wall Mount Kit

59-114 Tri Pod Kit

ULTIMATE PACE CLOCK CONTROLLER

By Colorado Time Systems. Pace Clock Controller allows you to program, operate and synchronize Basic Pace Clock/Shot Clock or Pro Pace Clock/Shot Clock. Features 32 character display console with 15 foot connector cable. Operates on 1-9 volt battery.

59-315





59-095

STARTING SYSTEMS

CHAMPIONSHIP START SYSTEM — By Colorado Time Systems. The Championship Start System is an excellent choice for larger aquatic facilities. The system can drive lane mounted speakers and also power Speedlights on RJP platforms (up to 12 lanes), for a visual starting signal. Each Championship Start System includes separate microphone inputs, independent volume control for each microphone input, and microphone volume that is independent of start tone volume. Also includes 360 degree strobe that flashes at start signal. Additional strobe lights can be added for remote strobe locations. The unit speaker can serve as a limited public address system, allowing you to make announcements at meets or at practice. Up to 2 additional speakers can be added for start system sound. Up to 12 additional 6 watt lane speakers can also be powered by the Championship Start System. Additional underwater speaker can be added for underwater recall and training options. 110 volt power for use in a fixed location and internal rechargeable gel-cell battery for portable use. Start system can be placed on a table top or, with optional kits, can be wall mounted to tripod mounted.

59-095 Championship Start System, wired microphone



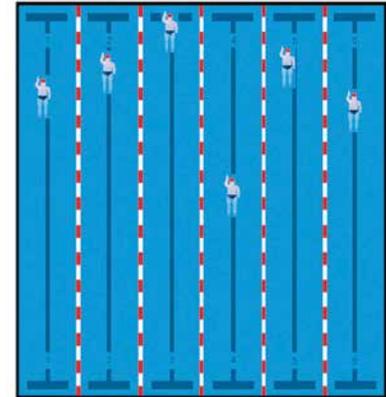
59-110

INFINITY STARTING SYSTEM — By Colorado Time Systems. Highly visible strobe light automatically flashes as the harmonic horn sounds. The Infinity Start System includes: start module, 40-watt corrosion resistant speaker, harmonic horn sound, start microphone and start button with recall capability, and internal gel-cell battery. Add a secondary 40-watt speaker and up to 2 additional microphones for referee and officials at the desk. The Infinity Start System interfaces with other CTS components. Can be used on table top or attached to tripod. Tripod sold separately.

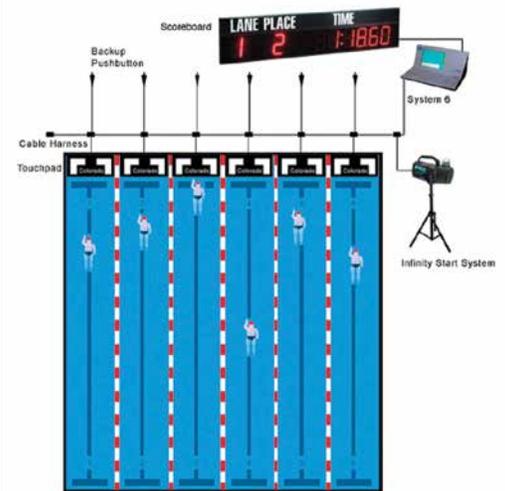
59-110 Infinity Start System with wired microphone



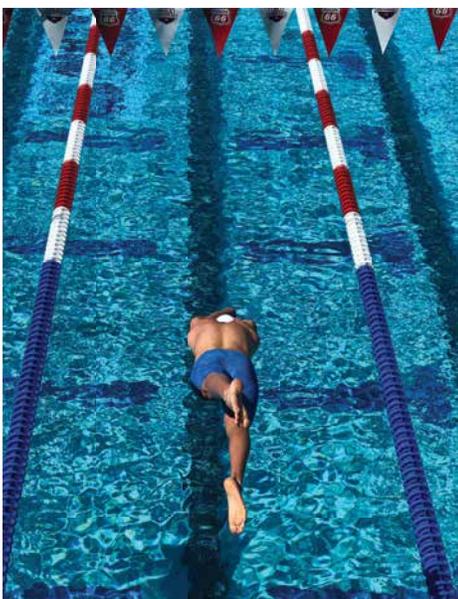
59-110
59-115



SWIMMING TIMING SYSTEM DIAGRAM



TOUCH PAD SYSTEM DIAGRAM



STARTING SYSTEM ACCESSORIES

Description	Champ Start	Infinity Start
Adjustable tripod	59-114	59-115
6 lane speaker cable harness	59-160	.
8 lane speaker cable harness	59-165	.
10 lane speaker cable harness	59-170	.
40 watt speaker with 6 ft. cable	59-135	.
40 watt speaker w/125 ft. cable	59-119	59-120
Start jumper cable, 25 ft.	59-179	59-180
Start jumper cable, 50 meter	59-174	59-175
Speaker mounting kit	59-125	59-125
Underwater speaker	59-142	.
Wired microphone w/25' cable	59-145	59-145
Wired microphone w/50' cable	59-146	59-146
Wired microphone w/75' cable	59-147	59-147
Wired microphone w/100' cable	59-148	59-148
Wired microphone w/200' cable	59-149	59-149

Timing Systems



59-295

TIMING SYSTEMS

SPORTS TIMING SYSTEM — By Colorado Time Systems. The System 6 Timing System is designed to coordinate, with other CTS components, the incoming information from the start system, touchpads, relay judging platforms, backup buttons for swimming, and remote judging terminals for synchronized swimming and diving. The system sends information to scoreboards, meet management software, printers, water polo horns and shot clocks. Includes: swimming and diving programs with optional keyboard inserts and software for water polo, synchronized swimming, and pace clock. Large, 10"5" (diagonal) backlit color display with 3.5" floppy drive. Handles up to 12 lanes, supports unlimited splits, and dual meet scoring. Optional Sky-Fi wireless adapter allows you to connect to wireless pace clocks, shot clocks, and scoreboards. 110 volt with battery backup.

- 59-295 System 6 Timing System
- 59-300 Sky-Fi Wireless Adapter



59-455



59-525

DOLPHIN WIRELESS TIMING SYSTEM

By Colorado Time Systems. New wireless stop-watch timing system allows for more accurate starting, timing and capture of meet times. Improves synchronization of all timers by clearing and starting all their watches simultaneously. Wireless communication to your laptop computer eliminates recording errors and improves the speed in running your meets. Systems designed for pools up to 10 lanes. Integrates with Hy-Tek Meet Manager. System includes: wireless stop-watches for each lane (up to 3 per lane), starter unit, base unit, carrying case, lanyards, and a spare watch. System requires: Hy-Tek Meet Manager, laptop, and horn start system.

System Configuration	1 watch per lane	2 watches per lane	3 watches per lane
6 Lane	59-455	59-460	59-465
8 Lane	59-470	59-475	59-480
10 Lane	59-485	59-490	59-495
59-525	Dolphin LED Scoreboard Adapter		



59-240



59-245

TIMING SYSTEM TOUCH PADS

TOUCH PADS — By Colorado Time Systems. Available in 60" and 78" widths with either Patented AquaGrip non-skid surface or regular non-skid surface. Gutter mount, all plastic construction. Includes 10' cable with molded connector. Supply drawing of panels (if existing) and gutter mounting detail. Touch pad brackets ordered separately.

Length	AquaGrip Surface	Regular Surface	Widths
60"W x 22"H	59-230	59-235	66"-84"
78"W x 22"H	59-240	59-245	84"-96"
59-250	Touch Pad Bracket, each		



59-255

TOUCH PAD CADDY — By Colorado Time Systems. Protect your touch pad investment. Caddy accommodates up to 10 gutter touch pads. Aluminum construction with 4 casters.

59-255



59-060

RELAY JUDGING PLATFORMS

RELAY JUDGING PLATFORM TOPS

Colorado Time System's RJP platform tops are the most accurate way to judge relay exchanges, within 1/100th of a second. Available in all standard platform top sizes. Mounts and removes easily with double straps. Speedlight™ strip gives green visual starting flash at the platform leading edge. Great for visually impaired or hearing impaired swimmers. Contact us to review application for your platforms.

Platform Top Size	RJP with Speedlights
24" x 32"	59-060
24" x 20"	59-070
20" x 20"	59-080
Custom Logos	59-085



TIMING SYSTEM ACCESSORIES

DECK CABLES

- 59-380 6 lane cable - CH41-6
- 59-385 8 lane cable - CH41-8
- 59-390 10 lane cable - CH41-10

BACK-UP CABLE HARNESS

- 59-395 6 lane/3 button - CH41-6-3
- 59-400 8 lane/3 button - CH41-8-3
- 59-405 10 lane/3 button - CH41-10-3

CABLE HARNESS EXTENSION

- 59-410 CHE-41P-75
- 59-415 CHE-41-75 "Y"
- 59-420 CHE-41-50M
- 59-425 CHE-41-50M "Y"

PUSH BUTTON

- 59-430 PB-6



59-094

RELAY JUDGING PLATFORM CADDY

By Colorado Time Systems. Your relay judging platforms are precision instruments that require protection. The RJP Caddy provides a convenient way to store, transport, and protect your RJP's, Champ Start, Quick Start, and cables. Accommodates up to 10 - RJP's, and is still narrow enough to fit through doorways. Available in 2 sizes, based on your platform top size. Aluminium frame with four swivel casters.

- 59-093 RJP Caddy, 24" x 20" tops
- 59-094 RJP Caddy, 24" x 32" tops



59-291

59-292

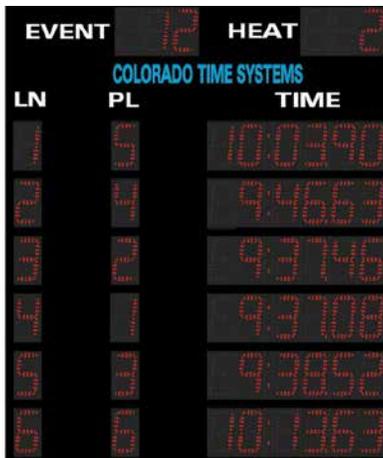
SCOREBOARDS

SCOREBOARDS — By Colorado Time Systems. Indoor/Outdoor, wireless, LED Otter Scoreboards. **Swimming** - 6 Lane or 8 Lane Swimming versions or **Water Polo** - Home/Guest/Period/TOL/Shot Time scoreboard or version that adds Exclusion section with Player/Time data for both teams. Single line scoreboard can be installed indoors or outdoors. Scoreboards use red or amber LED digits, specify.

- 59-290 LED Scoreboard - Swimming, 6 Ln
- 59-291 LED Scoreboard - Swimming, 8 Ln
- 59-292 LED Scoreboard - Water Polo
- 59-293 LED Scoreboard - WP, w/Exclusion
- 59-280 Single Line LED, Scoreboard

SCOREBOARD ACCESSORIES

- 59-272 Scoreboard sponsor panel - blank LED
- 59-275 Scoreboard caddy



59-290



59-293



59-675

59-651

59-650

WATER POLO SCOREBOARD

WATER POLO SCOREBOARD — By Colorado Time Systems. Wireless timing and scoring solution for Water Polo. Water Polo Scoreboard is designed with a powder coated aluminum enclosure with molded handle. Home/Guest Scores and Game Time in 10" LED digits, Period in 7" LED digits, and 2" LED dots for time outs left. Can be used indoor or outdoor. Integrated horn performs different shot and game tones. 2.4 GHz wireless operation. 115-230 VAC. Size: 6'W x 2.3'H x 4"D. Available in red, amber, or multi-color digits, specify. Use Wireless Table Top Controller with 1,000 ft. range, ordered separately. Each component for the Water Polo Scoreboard System is ordered separately. Optional power bank to power the table top controller.

- 59-650 Portable Water Polo Scoreboard
- 59-651 Portable Scoreboard Caddy
- 59-675 Water Polo/Deck Clock-pair
- 59-610 Wireless Table Top Controller- w/o battery
- 59-620 Power Bank Wireless Hand Held Controller
- 59-611 External Power Bank



59-610



59-675

WATER POLO SHOT CLOCKS

WATER POLO DECK/SHOT CLOCKS

By Colorado Time Systems. The Water Polo Shot Clock is designed with a rugged molded polyethylene enclosure that is water and sun resistant. Each Deck/Shot Clock displays Shot Time in 10" LED digits and Game Time in 5" LED digits and can be used as a pace clock or time of day clock when not being used for competition. Integrated horn performs separate shot and game tones. Can be used on deck side as pace/time of day clock when not being used as Shot Clock for competition. Available with multi-color (amber - game/time of day and red - shot/pace clock), all red, or all amber LED digits, specify. Use the Wireless Hand Held Controller or Wireless Table Top Controller, both with 1,000 ft. range, ordered separately. Wireless Run-Stop-Reset control for use with Wireless Table Top Controller, ordered separately. Shot Clocks are compatible with CTS System 6 Sport Timer with wireless adapter - inquire. 2.4 GHz wireless operation. Battery or 115-230 volt power. Size: 32"H x 18.5"W x 12"D. Sold as a pair.

- 59-675 Water Polo/Deck Clock - pair
- 59-620 Wireless Hand Held Controller
- 59-625 Wireless Table Top Controller



59-615

WATER POLO SCOREBOARD OPTIONS

- 59-615 Water Polo Scoreboard - battery
- 59-620 Wireless Hand Held Controller
- 59-622 Wireless Run-Stop-Reset Control
- 59-625 Wireless Table Top Controller
- 59-630 Scoreboard Caddy
- 59-635 Scoreboard Caddy, with Pneumatic wheels (outdoors)
- 59-640 Scoreboard Stand - 3 ft.
- 59-645 Scoreboard Legs - 3 in.

DATA CABLES

Item	Cable Length	Item	Cable Length
59-204	10'	59-215	150'
59-205	25'	59-216	200'
59-206	50'	59-217	250'
59-211	100'	59-218	300'

Water Polo Goals



60-155

FLOATING GOALS

ANTI ODYSSEY FLOATING GOAL — The Odyssey floating goal is the finest water polo goal available. Constructed with durable powder-coated aluminum bars with stainless steel hardware. Flotation panels are hand-laid fiberglass. Meets all national and international specifications. Include HD polypropylene net. Two anchors and anchor ropes required per goal-ordered separately. **3 Year Warranty.**

60-155 Odyssey Floating Goal

60-124 Odyssey Floating Goal repl. net

60-127 Odyssey Floating Goal flotation set



FOLDING FLOATING GOALS

ANTI GLOBAL FLOATING GOALS — Newly developed, full size, foldable Anti Global Floating Goal is made from marine grade, powder coated aluminum extrusions, with HDPE Flotation elements. Nylon pool edge bumpers on the rear frame protect pool tile and finishes. HDPE Polymer bows allow quick disconnect from frame to allow goal to be folded easily. External carry handles allow for easy handling by two people and weighs only 55 lbs. Includes: HD polypropylene net and anchor attachments. Meets all national and international specifications. Available in two sizes- full competition size and junior size. Two anchors and anchor ropes required per goal- ordered separately. **3 Year Warranty.**

60-130 Global Floating Goal

60-131 Global Junior Floating Goal

60-132 Global Floating Goal repl. net

60-133 Global Junior Floating Goal repl. net



60-170

ANTI FOLDING WATER POLO GOALS

Floating goals fold flat for easy storage. Splashball Junior Floating goal is 2/3 size (78" x 42") and the Official Splashball Goal. Senior Folding Goal is full competition size (118" x 42"). Powder-coated aluminum frame with fiberglass flotation panels. Includes net. Each goal sold separately. **3 Year Warranty.**

60-165 Splashball Junior Folding Goal

60-170 Senior Folding Goal



60-170



60-165

FLOATING GOAL ACCESSORIES

FLOATING GOAL ANCHOR ROPES

Order custom sized anchor ropes for your floating goals. Include Anti Wave Forerunner lane ropes with "s" hook and Supertensioner. Specify distances required. Goal Wall Anchors ordered separately.

60-120 Anchor Ropes- per ft. (plus hardware)

60-121 Anchor Rope Hardware (per rope)

60-150 Floating Goal Wall Anchors- each

Water Polo Training



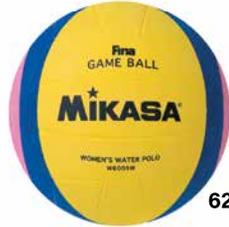
62-045



62-037



62-059



62-047



62-105



62-104

WATER POLO BALLS

MIKASA WATER POLO BALLS — Premier colors: yellow with alternating black, red, blue, or green panels. Specify. **Championship Series**- Available in Wave Tri Color design or Yellow color. **Premier Series**- Available with alternating color panels of yellow and blue, black, red, or green-specify or solid yellow color. **Training Series**- Weighted training balls. **Varsity Series**- Designed for youth programs.

Ball Style	Ruling Body	Men's Size 5	Women's Size 4
Championship			
Tri Color	FINA / NFHS	62-046 W6000W	62-047 W6009W
Yellow		62-045 W6000	62-055 W6009
Premier			
Alt. Color	NFHS	62-037 W5000-Color	62-038 W5009-Color
Yellow		62-057 W5000	62-058 W5009
Training			
Training	.	62-059 W4000 (3.3 lbs.)	62-110 W4009 (1.7 lbs.)

Ball Style	Varsity Size 3 12&U Boys / 14&U Girls	Varsity Size 2 10&U	Varsity Size 1 8&U
Varsity			
Yellow	62-107 W3INT	.	.
Yellow & Blue	.	.	62-104 W5007
Red	.	62-105 W5008RED	.



62-012

WATER POLO CAPS

FINIS WATER POLO CAP SET — Fitted nylon-Lycra caps stretch and conform to any size head for comfort and durability. **Cap set includes:** 13 total caps - field caps numbered #2 - 12, plus 2 red goalie caps (#1 and 13). **Extender cap set includes:** 13 total caps - field caps numbered #15 - 25, plus 2 red goalie caps (#14 and 26). Cap set colors: navy and white. Size: Adult.

62-012 Water polo cap set w/ear guards

62-013 Extender cap set w/ear guards



61-055

TRAINING AIDS

MIKASA SHOT MAKER REBOUNDER

Training tool for developing shooting, passing, and receiving skills. Adjustable rear arm changes net angle. Constructed from UV and chlorine resistant materials. Can be used while in the water or on dry land. Size: 40" x 40".

61-055



SAFETY NETTING

CHAMPION™ SAFETY NETS — Water polo course safety divider nets protect swimmers and spectators in other areas of your pool, walkways, or grandstands. Custom length nets are constructed of heavy grade 4" braided polyester mesh. Each net is installed onto custom length stainless cable with hardware package (ordered separately), and are placed between existing backstroke stanchions or 10' net stanchion and anchors. Order stainless carabiners separately and space one carabiner every 2 ft. Specify length and height of net required and distance between stanchions.

61-040 Champion™ safety nets - custom

50-175 Vinyl covered cable, per ft.

53-030 Hardware package, each

53-050 Water polo net stanchion, 10' x .145" wall

61-039 Stainless carabiner



WATER POLO LANES

WATER POLO COURSE LANES

Custom lanes to identify water polo course and also anchor floating water polo goals. Lanes can be configured to identify course zones or in your school's colors. Specify: lengths, disc locations, and desired colors required for each lane. Competitor or Anti Wave lanes available in 4" or 6" diameter sizes. Hardware package ordered separately for each lane.

Competitor Custom Lengths		Disc. (Dia.)	Anti Wave Custom Lengths	
Style	Item		Style	Item
Gold Medal	50-020	6"	Maximum	50-395
Competitor	50-045	4"	Forerunner	50-330
Hardware Package	50-050	.	Hardware Package	50-335

WATER POLO COURSE DIMENSIONS FINA/USAWP

Men's Field of Play

Length - 20 meters to 30 meters

Width - 10 meters to 20 meters

Women's Field of Play

Length - 20 meters to 25 meters

Width - 10 meters to 20 meters



62-115

BALL ACCESSORIES

MIKASA HAND PUMP — Dual action hand pump with flexible hose.

62-115



62-121

MIKASA DIGITAL AIR GAUGE — Gauge with bleeder valve to adjust ball air pressure.

62-121



62-060

62-070

GAME ACCESSORIES

AIR HORN — Loud and clear sound signals players and coaches. Includes horn and one power can.

62-060 Air Horn

BRASS BELL — 6" polished brass bell with mounting bracket.

62-070



61-062

WATER POLO MARKERS

FINA WATER POLO COURSE MARKERS — Heavy duty UV treated vinyl markers cover the complete 2 meter (red) and 2-5 meter (yellow) zones, not just the lines. Set covers all 4 sides of the pool.

61-062



WATER POLO ACCESSORIES

ANTI WATER POLO STARTUP BASKET

Provides an efficient and accurate start to a water polo game. The starting ring is held in place by weights on the pool bottom. The ring is pulled underwater and the ball released, as players approach the ball. Includes: starting ring, deck anchor, starting system pole with quick lock, 2 x pulleys with rope, and 2 x pool floor weights.

3 Year Warranty.

62-067

COACHING ACCESSORIES



61-080

STANDING WHITEBOARD — Anodized aluminum frame with swivel locking casters and reinforced bracing. Double sided whiteboard with steel lock clamps to lock board in preferred position and full length accessory tray.

61-075 3' x 4'

61-080 4' x 6'



62-085

EQUIPMENT HANDLING

EQUIPMENT TOTEMASTER — Great for storing your aquatic supplies. Available in 3 sizes: **Original Totemaster** - 3½'L x 2'W x 3'H or **Totemaster Mini** - 21"L x 21"W x 30"H, both with single lid opening and **Totemaster Plus** - 5'L x 2'W x 3'H with dual lid opening and internal divider. Made with ³⁄₁₆" powder coated steel wire with lockable lids and 4 locking swivel casters. Color: blue

62-085 Equipment Totemaster

62-086 Totemaster Plus

62-087 Totemaster Mini

62-090 Totemaster Repl. wheels, each

62-091 Totemaster Repl. sleeve, each

62-092 Repl. wheel kit - 4 casters, 4 inserts



62-135

MIKASA WATER POLO BALL BAG — Oversize vertical ball bag holds up to 16 water polo balls. Heavy duty nylon and mesh bag with shoulder strap. Size: 39"H x 15½"W x 15½"D.

62-135

MIKASA TRAVEL BALL BAG — Black nylon bag with mesh gusset holds up to 6 water polo balls. Size: 17"H x 26½"W x 7"D.

62-140



62-140



62-095



62-130

WATER POLO BALL BAG — Heavy duty, made from heavy nylon cord with drawstring. 32" x 36" size holds 8-12 balls.

62-095

WATER POLO CAP BAG — Nylon mesh.

54-175

WATER POLO CAP STRINGER — Holds up to two sets of caps.

62-130

Games



63-004

WATER BASKETBALL

SPLASH & SLAM WATER BASKETBALL — State-of-the-art basketball set. Fiberglass backboard has a 2" overhang keeping the action in the pool. Adjustable height to 6' above water level. Break-away rim available in two styles: powder-coated stainless steel rim for the toughest conditions or a more economical powder-coated steel rim. Polyethylene base weighs 500 lbs. when filled with water. Includes water basketball.

- 63-004 Splash & Slam Water Basketball, s.s.
- 63-003 Repl. rim, powder-coated, s.s
- 63-010 Repl. Backboard
- 63-006 Splash-It Water Basketball, only
- 63-002 Repl. net



63-008

ADJUSTABLE VARSITY POOL SHOT

Adjustable water basketball has three winged panels that direct missed shots back into the pool. The water filled base weighs 500 lbs. when filled. Rim height range from pool deck: 36" to 43". Top of backboard to deck: 58" lowest point to 65" highest point. Deck space required at pool edge 3' x 3'. Includes 2 balls.

- 63-008 Pool Shot Water Basketball
- 63-009 Repl. water basketball only



RockSolid™ Single Post
63-370

SWIM N' DUNK WATER BASKETBALL

Competitive acrylic see-thru backboard regulation rim. Adds fun to your pool without blocking your view of what's going on. To be used in water depths not greater than 42". Available in two styles: **RockSolid™ Single Post** - includes single post anchor and escutcheon and **SealedSteel (protective vinyl coating) Dual Post** - includes two plastic anchors. Optional bronze anchors can be purchased separately for the SealedSteel Dual Post unit. Purchase additional anchors to create different anchoring locations around your pool if desired. Custom heights also available.

- 63-370 RockSolid™ Single Post
- 63-371 RockSolid™ Extended Reach
- 63-360 SealedSteel Dual Post, Salt Friendly

SWIM N' DUNK PARTS

- 63-375 RockSolid™ Anchor only
- 63-380 RockSolid™ Escutcheon, black vinyl
- 63-385 RockSolid™ Anchor Safety cap
- 63-410 SealedSteel Plastic Anchors, pair
- 63-415 SealedSteel Bronze Anchors, pair
- 63-400 Repl. backboard
- 63-395 Repl. rim and net with hardware
- 63-390 Repl. basketball



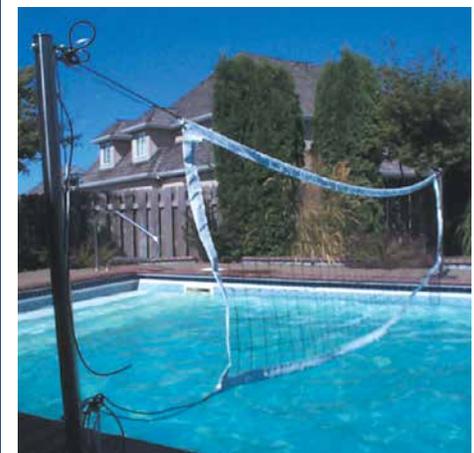
Sealed Steel Dual Post
63-360



63-371



63-360



63-020

WATER VOLLEYBALL

WATER VOLLEYBALL SET — 4'6" stainless steel posts with eyebolts to anchor 32' volleyball net. Includes: two 4'6" posts with sliding eyebolt collar, 32' net and water volleyball. Special length nets and deck anchors extra.

- 63-020 Water Volleyball set
- 63-024 Repl. 32' net
- 63-025 Special length nets
- 64-070 Repl. Squish Water Volleyball



LEDGE LOUNGER GAMES

Ledge Lounger outdoor games are just what you need to take your property to the next level. Made with UV resistant high-density polyethylene, all our games are designed to withstand outdoor elements and provide a fun addition to your space for years to come. All games are available in a variety of eye-catching colors and can be customized with accent colors and personalized engraving to truly fit your style.



PING PONG TABLE — Ping Pong is a great addition to any outdoor space, made to withstand the harshest environments, providing fun for all. Comes fully assembled and can be easily transformed into a dining table for entertainment. Table includes set of paddles and 6 ping pong balls. Custom logo engraving optional. Weighs 258 lbs. and measures 8' x 4' x 30". **5 Year Warranty.** Pick your table and color with contrasting net: white, cloud, gray, brown, black, red, green, sage green, sky blue, or navy. Paddle colors: white, cloud, or gray.

64-100

ON-DECK RESIN COLORS



CORNHOLE — Cornhole, Sack Toss, Bags, or Tailgate Toss. No matter what you call the game, it's always a great option to amplify the entertainment. Includes cornhole boards and 2 sets of 4 bean bags. Boards are available in 10 resin colors. 20 different colors for bags. Custom logo engraving optional. Weighs 48 lbs. and measures 48" x 24" x 8". **1 Year Warranty.**

64-105

CORNHOLE BEAN BAG COLORS



WASHERS — Washers is the perfect game to show off your skills. Includes washer boards and 8 washers in red and blue. Boards are available in 10 resin colors and can be customized with your logo of choice. Weighs 21 lbs. and measures 36" x 18" x 3". **1 Year Warranty.**

64-110



CHECKERS/TIC TAC TOE — Enjoy two games in one! This reversible game board includes two sides for playing either checkers or tic tac toe. White resin board with Sage Green and Sky-Blue game pieces (24 checker discs, 5 x's and 5 o's). Weighs 38 lbs. and measures 43" x 43" x 1". **1 Year Warranty.**

64-115



RINGTOSS — This classic game is always fun, now play in style! Game includes 12 Sage Green rings, and 3 White ring stands with a docking station for easy clean-up. Weighs 19 lbs. and measures 43" x 10" x 9.5".

1 Year Warranty.

64-120

Swim Toys



SWIM TOYS

DIVE ANIMALS — Dive Animals are sure to provide additional fun at your pool. Soft, flexible, and lightly weighted for diving fun. Each 7" animal is numbered for scoring fun. Sold in set of 4.
64-009



EEL STICK DIVE GAME — Wiggly eel underwater search and retrieval game. Includes: four colorful eels. Size: 10 3/8" L.
64-053



RELAY DIVE STICKS — Brightly colored, flexible dive sticks. Numbered point values enhance game play. Water weighted to lay safely on pool bottom. Set of 6. Size: 8" long.
64-005



SHARK FRENZY DIVE GAME — Underwater shark hunt search and retrieval game. Set of three realistic sharks. Size: 7" wide.
64-054



DIVE 'N' CATCH FISH GAME — Dive down and catch these multicolored fish. Includes: four fish and fish net. Size: 3" W x 4" L.
64-057



TURTLE EGGS DIVE GAME — Gather these weighted eggs at the bottom of the pool. Each of the eggs have a baby turtle inside! Includes: 6 eggs.
64-061



ANIMAL DIVE RINGS — Soft and flexible Dive Rings provide a fun toy all while being safe. Set of 4 colorful animal characters. 6" dia.
64-006



DIVE RINGS — Classic dive and retrieval game. Sand filled, weighted rings stand upright on pool floor. Includes: 4 rings.
64-062



ACTIVE EXTREME DIVE RINGS — These perfectly weighted flexible dive rings will sink to the pool floor for you to retrieve. Includes: 4 rings. Size: 7 1/2" dia.
64-021





CHAMPION™ GRIP BALLS — Ultimate action grip ball for water fun. Wet or dry, they really grip. Assorted colors.

64-060 Champion™ Grip Ball, 7"

64-065 Champion™ Grip Football, 8½"



ACTIVE XTREME X BALL — Perfect for basketball, volleyball, and soccer! Features inflatable bladder with lightweight foam layer and water-resistant fabric. Assorted colors: blue/green and red/yellow. Size: 8 ¼" dia.

64-071



ACTIVE XTREME FOOTBALL — Features inflatable bladder with lightweight foam layer and water-resistant fabric. Assorted colors: blue/green and red/yellow. Size: 8 ½" L.

64-072



64-025

UNDERWATER SLALOM HOOPS —

Race through these weighted hoops. Sand filled ballast design to adjust the depth of the hoops. Color varies. Set of 4 hoops.

64-025



ANIMAL BOMBS — Kids love playing with these fun animal toys. Once they fill with water, they'll be heavy enough to sink. Set of 4 toys per pack.

64-045



NEON DIVE BALLS — Have fun diving for these sinking neon dive balls. Set of 4 balls

64-048



SPASH-IT WATER BASKETBALL — Let the games begin with a bright water basketball. Textured surface for easy grip. Size: 9 ¼" dia.

63-006



SQUISH WATER VOLLEYBALL — Mikasa water volleyball designed for aquatic use. Soft no string pillow cover for optimum play. Size: 8"

64-070

Tubes & Noodles



63-276

WATER POLO TUBES

WATER POLO TUBES — Special tubes without handles to interfere with your innertube water polo games. Heavy duty 30 gauge vinyl tubes with double welded outside seams. Smooth inner seams and recessed valve stem ensures comfort for every player. Size: 33" OD x 16" ID. Color: yellow or blue.

63-276



63-175

WATERPARK TUBES

HEAVY DUTY WATER PARK TUBES — Our highest performance Water Park Tubes are built tough for commercial use and designed to last. Heavy-duty, 30 gauge vinyl tubes with double outside seams, strong inner gussets, and recessed inflation valves. Contoured handles provide a sure way to hang on. Available in clear and clear tinted blue, both which allow you to see through the tubes for increased safety on those busy days.

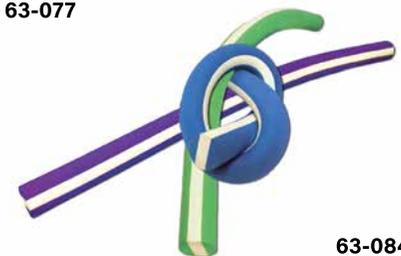


63-077

NOODLES

WATER NOODLES — A great addition to your swim programs and exercise classes. Solid foam noodle lasts longer. Size: 58" L x 2 3/4" diameter. Colors: yellow or blue.

63-077



63-084

DELUXE NOODLES — 60" Deluxe noodle is manufactured from EVA foam and carries a 2-year warranty against manufacturer defects. The noodle is round (2.75") diameter. Available 2-colored striped: blue/white, green/white and purple/white. 12 per package, in assorted colors only.

63-084



63-210

Tube Size	Tinted Blue	Clear
42" Single	63-180	63-175
42" Double	63-200	63-195
48" Single	63-190	.
48" Double	63-210	63-205



63-180



63-095

FOAM MATS & TOYS

AQUAFUN FOAM MATS & TOYS — Make your facility more popular and profitable with foam mats and toys. Entertaining shapes supply hours of fun for all ages. Closed cell high density foam will provide years of enjoyment.

AQUAFUN PLAY MATS

Item	Style	Dimensions
63-085	Duck	36" x 36"
63-090	Turtle	36" x 36"
63-095	Fish	36" x 36"
63-096	Sailboat	36" x 36"
63-100	Hippo	36" x 72"
63-105	Rectangle	36" x 72"



63-090



63-110

AQUAFUN WATER ROLLS

Item	Style	Dimensions
63-108	Flat	4' x 13 1/2"
63-109	Flat	8' x 13 1/2"
63-110	Round	4' x 9" dia.
63-115	Round	8' x 9" dia.



63-109

63-108



63-150



63-119



63-151



63-120



63-121

AQUAFUN FOAM TOYS

Item	Name	Dimensions
63-119	Floating Tot Slide	78" x 40" x 29"
63-120	Super Bowl	36"
63-121	The Mini-Boat	72" x 36"
63-122	The Wreck	40" x 60"
63-123	Serpano	11 1/2' x 20"
63-124	Canoe	76" x 26" includes 2 paddles
63-150	Airplane	63" x 58"
63-151	The Ladder	77" x 39"



63-122



63-124



63-123

Floats & Mats



63-052



63-055

SUN CLINER — Chill in the Sun Cliner water hammock. Made from soft buoyant, closed-cell foam. Vinyl-coated for a long-lasting finish. Color: marina blue or yellow. Size: 50" L x 21" W.

63-055

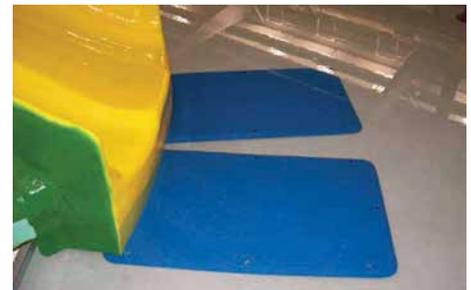


63-050

WATER SLIDE MATS

WATER SLIDE MATS — Foam slide mats are made of a dense closed cell foam material that is extremely durable. Smooth bottom is yellow and textured top is available in a variety of colors. Single piece of material, without laminations. Size: 22" x 48". Specify color: light blue, light purple, light green, pink or orange.

63-050



63-285

WATER ENTRY LANDING PAD

WATER ENTRY LANDING PAD — Versatile safety pad for water slide landings, wading pools and spray park use. UV stabilized foam pad is 1" thick with 1/4" fiberglass bottom. Installs permanently with stainless steel anchor bolts, included. Custom sizes available, inquire. Color: blue.

63-285 Water Entry Landing Pad, 3' x 5'

63-290 Water Entry Landing Pad, 4' x 6'

63-295 Water Entry Landing Pad, 3' x 58"



63-052

POOL FLOATS

ULTRA SUNSATION FLOAT — Designed for luxurious resort style floating. The glossy, vinyl coating is easy to clean and resistant to sun, chlorine, and salt water. The closed-cell foam will not sink or absorb water. Colors: bronze, marina blue or metallic blue. Size: 72" L x 26" W x 2.5" thick.

63-052



63-054

AQUA SWING — U-shaped chair with a durable vinyl sling seat. Reinforced internal steel frame provides extra support, strength, and comfort. Supports an average size adult and features a grommet for easy hanging storage. Colors: marina blue or fierce green. Size: 26" L x 24" W x 3.5" thick.

63-054



63-053

SUNSATION POOL FLOAT — Float in style! Soft smooth vinyl that is easy to clean. The closed-cell foam will not sink or absorb water. Colors: Bahama blue, bronze, white or yellow. Size: 70" L x 16" W x 1.75" thick.

63-053





SOL FIT AQUATIC FITNESS BOARD — Allows your facility to offer new aquatic based stability training programs. The perfect solution for floating fitness programs! These new mats can be used at indoor pools, outdoor pools, and at water front locations. Stable structure allows you to perform your favorite, Yoga, Pilates, and other workouts on the water. The attached mat "D" rings allow you to anchor your mats to the pool wall or lane line locations. Unique floating system enables gyms, resorts, rec centers, and rehabilitation centers to improve core workouts. The Sol Fit is constructed of heavy duty materials to withstand the rigors of multiple classes per day. Go Pro mount located at front of mat along with bungee tie down and neoprene handles for easy transport and resistance band attachment points. Mat includes: carry bag, FCS style fin, high pressure hand pump with gauge, and repair kit. 275 lb. capacity and HR valve for easy inflation/deflation. Mat size: 7'10" x 36" x 6"

82-020



65-490

STAND-UP PADDLE BOARDS

TRAVERSE STAND-UP PADDLE BOARD – Stand-up paddle boards are a great way to incorporate a new water sport activity into your summer programs. High nose rocker, thick water shedding profile and forgiving sidewalls help board glide over waves. Size: 10'L x 36"W. Weight capacity: 300 lbs. Specify color: lime green or glacier blue. Paddle ordered separately.

65-490 Traverse Stand-Up Paddle Board

65-491 Stand Up Paddle



65-493

IMPULSE STAND-UP PADDLE BOARD — Enjoy one of the fastest growing watersports. Paddle boards can add a new dimension to your aquatic programs. Composite board with a soft top and rigid bottom. Stable, responsive and well-balanced for paddling. Size: 11'L x 32"W x 4.25"H. Paddle ordered separately.

65-493 Impulse Stand-Up Paddle Board

65-491 Stand Up Paddle

Inflatable Structures

INFLATABLE STRUCTURES

INFLATABLE STRUCTURES — Bring the action of outdoor water sports to your pool with the new Aquaglide ADVENTURE Series Inflatable's. You can create custom challenge courses as expansive as your imagination with these compact, modular inflatables. Revitalize your programming with Olympic-style competitions, teen/family activity nights and summer camps. There are a wide variety of exciting structures to choose from to fit any budget. With the introduction of an inflatable you will increase attendance and in turn, will increase your revenues. Structures are designed to be used at supervised waterfront areas and in your pool depending on water depth and size of pool.

Even the largest structures take a minimal amount of time to inflate and deflate. Inflatables come with anchor points so that they can be fixed to a desired location. Structures are connected using Interloc System™ and Quickstraps. Swimstep XL is used as mounting platform for larger structures.

Commercial sealed air inflatable structures are made from a tough, ripstop nylon mesh bonded between two layers of PVC, to allow extreme flexing and stretching. Ultraviolet inhibitors are used to prevent fading and break-down when used outdoors. All seams and joints are welded together to insure airtightness and durability. Structures can be purchased individually or as a set. The **Track 3 Challenge Course** includes: Foxtrot, Swim Step (3), Sierra and Zulu Slide. Order bungee tether lines and hand-held blower separately.



66-250



66-250



66-260

66-255

66-260



66-265

THE TRACK 3 COURSE

Item	Description	Dimension	Minimum Water Depth	Maximum Capacity
66-250	Track 3 Course	55'L x 78"W x 60"H	48"	21
66-255	Foxtrot	240"L x 78"W x 19"H	48"	6
66-265	Zulu Slide	135"L x 78"W x 60"H	68"	1
66-270	Sierra	120"L x 96"W x 44"H	57"	5
66-260	SwimStep XL	60"L x 78"W x 6"H	48"	2



66-255



66-260



KING OF THE MOUNTAIN — Designed with a slide and multiple climbing holds, users can experience the thrill of going up almost 7 feet and finishing it off by jumping or sliding down the attached custom slide. It can be used as a stand-alone item, or can be connected to any Aquapark using the 5 D-Ring Interloc system on all 3 sides combined with our secure Vario-Lock cinch strap system.

Item	Description	Dimension	Minimum Water Depth	Maximum Capacity
66-300	King of the Mountain Complete	L 14' x W 9' x H 6.6'	6'	4
66-605	King of the Mountain Body Only	L 14' x W 9' x H 6.6'	6'	4
66-310	King of the Mountain Slide only	L 14' x W 9' x H 6.6'	6'	4

JUNGLE JIM — The Jungle Jim is a stable pyramid that features climbing, sliding, jumping, splashing and more. The climbing walls angle inward for convenience and stability, while the mesh floor and climbing area creates interior splash zones. It can be used as a stand-alone item, or can be connected to any Aquapark using the 5 D-Ring Interloc system on all 4 sides combined with our secure Vario-Lock cinch strap system.

Item	Description	Dimension	Minimum Water Depth	Maximum Capacity
66-320	Jungle Jim	L 9.4' x W 9' x H 6.8'	8'	4

TANGO — One of the most versatile pieces in the range, the Tango is a bounce platform that works inline, as a corner, or even as an X-junction between 2 perpendicular tracks. It can connect on all 4 sides using our secure and easy Interloc™ system along with the 5 piece QuickStrap, included.

Item	Description	Dimension	Minimum Water Depth	Maximum Capacity
66-325	Tango	L 6.6' x W 6.6' x H 1.5'	4'	2

DELTA — The Delta features a horizontal ladder-style challenge with 2 interior splash zones. This exciting balancing challenge also serves as a natural gathering place in hot weather! The Delta connects on 2 sides with the easy to use Interloc™ system.

Item	Description	Dimension	Minimum Water Depth	Maximum Capacity
66-330	Delta	L 10' x W 6.75' x H 1.5'	4'	4



INFLATABLE ACCESSORIES

Item	Description
66-110	Replacement patch kit, specify color
66-335	Tornado 110 V Pump
66-340	3 Meter horizontal mooring pair
66-345	2 Meter vertical mooring line



INTERACTIVE WATER FEATURES

INTERACTIVE WATER FEATURES — These colorful attractions are great for theme parks, waterparks, zoos, hotels, resorts, public pools, YMCA/rec centers, playgrounds, and more, ensuring not just the kids, but adults are having fun too! Stand-alone spray features create an interactive play experience for kids of all ages. All AquaWorx interactive water feature systems, also known throughout the industry as 'IWF systems,' are made of highly-durable stainless steel that is powder-coated with a variety of different colors. We also add colorful fiberglass integral parts to our systems that have resistant UV gel coat, providing strong resistance to chlorinated water (preventing chalking), heavy rain, and UV degradation. **Many other additional features are available online, inquire.**

- 65-580 Aqua Buckets, 3 bucket, 10'
- 65-581 Aqua Buckets, 6 bucket, 10'
- 65-585 Aqua Shroom, 7.5'
- 65-586 Flower, 9'

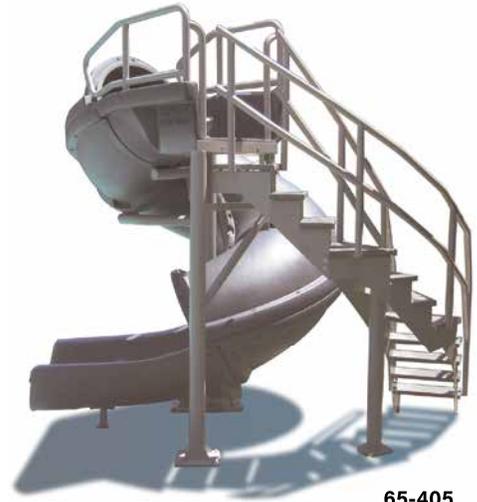
- 65-587 Aqua Butterfly, 12'
- 65-588 Aqua Windmill, 10'
- 65-589 Aqua Dumping Bucket, 21'



SR Smith



65-410



65-405

WATER SLIDES

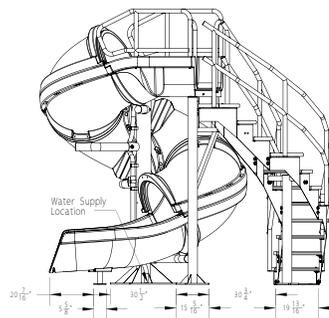
VORTEX™ WATER SLIDES — With the addition of a water slide you will attract more swimmers to your facility. Our open or closed flume slides are available with a spiral staircase or with ladder designs, so you can customize to fit your application. Mounts to existing decks. Rotomolded flume material with steel support frame. Accommodates sliders up to 325 lbs. Overall height: 10'7"H, Platform height: 7'6"H, and Flume length: 19'. Includes water delivery system (up to 40 GPM). Slide fully complies with the CPSC Safety Standard for Swimming Pool Slides (16 CFR 1207). Specify flume colors: blue or gray granite.

VORTEX™ WATER SLIDES

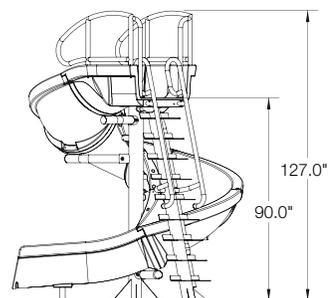
Description	Spiral Staircase	Ladder
Open Flume	65-415	65-410
Closed Flume	65-405	65-400



65-405



65-405



65-410



65-415

Vortex®

Water Slides



65-221

SPECTRUM POOL SLIDES — Add fun and excitement to your pool with a new Single, Double, Triple, or Quad Flume Pool Slide. All slides feature a platform height of 8' and 260 lb. weight limit. Slides are available in a variety of flume and stair configurations to ensure the best fit for your facility. Flume sections and tower panels are fabricated from rotomolded UV and color impregnated LDPE. Powder-coated steel frame. All platforms are thoroughly blasted, cleaned, and encapsulated in a dip applied Plastisol coating to inhibit corrosion. The platforms feature a perforated pattern to provide adequate traction and drainage. Four standard color configurations (summer, deep ocean, patriotic, and earth) are available. Custom colors are available to match any motif. Please reach out to us for custom design options. Slides comply with ASTM 1487-01, and CPSC Part 1207. For use on in-ground commercial swimming pools. **3 Year Warranty when installed by a factory authorized installer.**

QUAD FLUME SUPREME — Quad flume half hex deck poolside slide features four enclosed slide flumes with varying degrees of turns, half hex deck, and center steps with rails. Four standard color configurations (summer, deep ocean, patriotic, and earth) are available. Custom colors are available to match any motif. Deck width of flumes is 47'.

65-221



65-223

QUAD FLUME 90°/360° — Quad flume half hex deck poolside slide features two 90° and two 360° enclosed slide flumes, half hex deck, and center steps with rails. Four standard color configurations (summer, deep ocean, patriotic, and earth) are available. Custom colors are available to match any motif. Deck width of flumes is 33.75'.

65-223



65-224

DOUBLE FLUME 90°/90° — Double flume half hex deck poolside slide features two 90° enclosed slide flumes, a half hex deck, and center steps with rails. Four standard color configurations (summer, deep ocean, patriotic, and earth) are available. Custom colors are available to match any motif. Deck width of flumes is 35.75'.

65-224



65-226

DOUBLE FLUME 90°/360° — Double flume half hex deck poolside slide features one 360° and one 90° enclosed slide flume, a half hex deck, and center steps with rails. Four standard color configurations (summer, deep ocean, patriotic, and earth) are available. Custom colors are available to match any motif. Deck width of flumes is 24' 2".

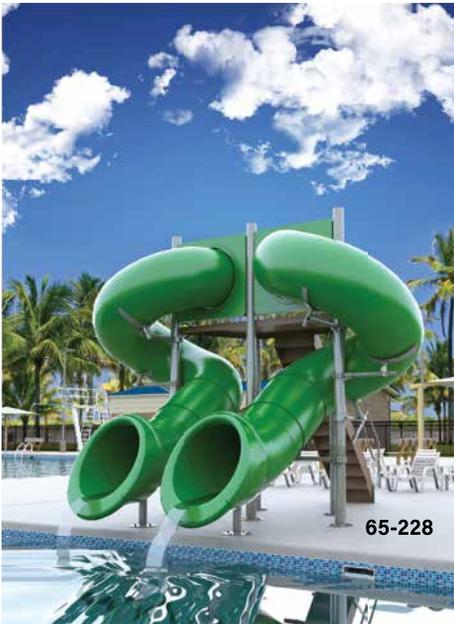
65-226



65-227

DOUBLE FLUME 90°/360° TRIANGE DECK SLIDE — Double flume triangle deck poolside slide features one 360° and one 90° enclosed slide flume, a triangle deck, and center steps with rails. Four standard color configurations (summer, deep ocean, patriotic, and earth) are available. Custom colors are available to match any motif. Deck width of flumes is 22.5'.

65-227



65-228

DOUBLE FLUME 360°/360° HALF HEX DECK SLIDE — Double flume half hex deck poolside slide features two 360° enclosed slide flumes, half hex deck, and center steps with rails. Four standard color configurations (summer, deep ocean, patriotic, and earth) are available. Custom colors are available to match any motif. Deck width of flumes is 15'.
65-228



65-232

SINGLE FLUME 90° TRIANGLE DECK SLIDE — Single flume triangle deck poolside slide features a single 90° enclosed slide flume, a triangle deck, and center steps with rails. The slide flume is fabricated from rotationally molded UV stabilized color impregnated LDPE. Four standard color configurations (summer, deep ocean, patriotic, and earth) are available. Custom colors are available to match any motif. Flume length is 14.5'.
65-232



65-229

DOUBLE FLUME 180°/540° TRIANGLE DECK SLIDE — Double flume dual triangle deck poolside slide features one 180° and one 540° enclosed slide flume, two triangle deluxe decks, and center steps with rails. Four standard color configurations (summer, deep ocean, patriotic, and earth) are available. Custom colors are available to match any motif. Deck width of flumes is 20.75'.
65-229



65-231

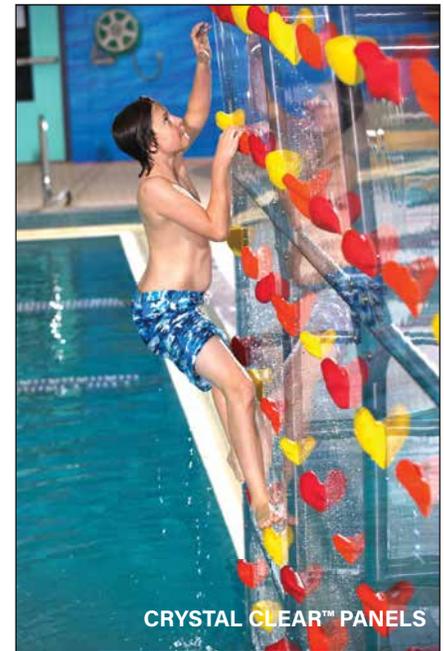
SINGLE FLUME 360° TRIANGLE DECK SLIDE — Single flume triangle deck poolside slide features a single 360° enclosed slide flume, a triangle deck, and center steps with rails. The slide flume is fabricated from rotationally molded UV stabilized color impregnated LDPE. Four standard color configurations (summer, deep ocean, patriotic, and earth) are available. Custom colors are available to match any motif.
65-231

PLEASE VISIT LINCOLNAQUATICS.COM TO VIEW THE SPECIFICATION SHEETS FOR ALL SLIDES.

STANDARD COLOR CONFIGURATIONS



Climbing Walls



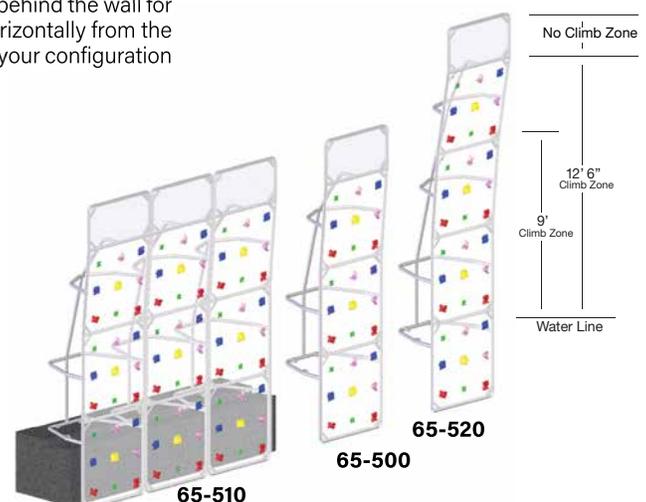
CLIMBING WALLS

KERSPLASH™ POOL CLIMBING WALLS – Climbing increases fitness levels through development of strength, coordination, cardiovascular endurance and muscle endurance. It also provides participants with positive risk taking and creative problem solving.

Kersplash™ Climbing Walls are modular and can be made to fit any space and deck configuration. The 4' panels attach to a stainless steel frame allowing you to customize the height and width of the wall to meet your needs. Requires a foot print of: 35" of deck space, 4' of clearance behind the wall for a walkway, 5' to either side of your wall, and 10' drop zone which is the distance horizontally from the pool wall. Pool depth requirements vary by state. Check your local codes to ensure your configuration complies. Pool depth determines the height of the wall.

Kersplash™ offers visibility to areas behind the wall made from UV and chlorine resistant materials. Groperz™ Hand Hold colors: red, yellow and orange. Complete Poolside Climbing Package includes: Kersplash™ Panels, stainless steel structure, Groperz™ hand holds with stainless steel mounting hardware and Kersplash™ rules and guideline signs.

Panel Style	Section Height	Water Depth	1-Section 4' Wide	2-Section 8' Wide	3-Section 12' Wide	4-Section 16' Wide
Crystal Clear™	12'	6'	65-500	65-505	65-510	65-515
Crystal Clear™	16'	9'	65-520	65-525	65-530	65-535





LIFEGUARD YOUR POOL — Painting your pool will enhance its beauty, protect the interior finish from damage due to improper water balance, make the pool easier to clean and harder for algae to adhere, and will increase safety by increasing water visibility. Revitalizes older pools by covering stained, rough and discolored surfaces. Easy to apply and easy to maintain.

Ramuc pool coatings come in different formulations, depending on the type of surface the coating is being applied to. There are paints available for plaster, concrete, fiberglass, steel and aluminum pools. It is important when painting over an existing coating that you use the same type of paint that was applied before. Send 1" x 1" paint sample and we will have it analyzed for you to be sure.

Visit our website for Ramuc application guides, which detail the supplies you will need, proper surface preparation, and how to apply each coating for best results. Detailed SDS sheets are also available for each product. Color selection charts are available for each coating. Confirm state VOC compliance codes for type of coating to be applied.

SQUARE FOOTAGE CALCULATIONS

LENGTH X WIDTH = Bottom square footage.

WIDTH X DEPTH OF SHALLOW END = Shallow end wall square footage.

WIDTH X DEPTH OF DEEP END = Deep end wall square footage.

LENGTH X AVERAGE POOL DEPTH X 2 = Two side wall square footage.

Total all of the above results for the total square footage of your pool and divide by the square foot coverage of the coating you select. This determines the number of gallons required to apply each coat. For irregular pool shapes, contact your Lincoln Representative for assistance.



Before



After

RAMUC POOL COATING COLORS



DAWN BLUE - 328



BEACH BEIGE - 355



ROYAL BLUE - 329



MONUMENT GRAY - 362



DARK BLUE - 303



EDGEWATER GRAY - 377



WHITE - 311



BLACK - 321

NOTE: Colors shown may vary from actual coating color.

RAMUC POOL COATINGS

RAMUC TYPE A-2 ENAMEL — Environmentally friendly chlorinated rubber pool paint. Topcoats and upgrades existing chlorinated rubber and synthetic rubber coating systems. Single component product with gloss finish. Excellent hiding and coverage on recoats. Coverage: 200-300 sq. ft. on bare surface and 300-400 sq. ft. on recoats. 1 gallon Colors: white #311, dawn blue #328, or black #321. 5 gallon Colors: white #311 or dawn blue #328. Clean up with Ramuc Thinner. **VOC Compliant in all states.**

68-001 1 gallon can

68-002 5 gallon pail

RAMUC TYPE DS — An acrylic emulsion-based paint for concrete or plaster finish pools. Particularly effective on pools where down time is critical. Matte finish. Coverage: 350-400 sq. ft. per gallon. Cleans up with soap and water. 1 gallon Colors: white #311, aquagreen #300, dawn blue #328, or beach beige #355. 5 gallon Colors: white #311 or dawn blue #328. Trim Colors: royal blue #329 dark blue #303, or black #321. **VOC Compliant in all states.**

68-025 1 gallon can

68-027 5 gallon pail

68-028 1 gallon can - Trim colors

RAMUC TYPE EP EPOXY — Two-component epoxy coating for concrete, plaster, and fiberglass pools. 2:1 mix ratio. High gloss finish. Coverage: 175-200 sq. ft./gal. kit on bare, sandblasted or rough surfaces. 400-450 sq. ft./gal kit on recoats and fiberglass surfaces. Colors: white #311, aquagreen #300, dawn blue #328, monument gray #362, beach beige #355, or black #321. Trim Colors: Royal blue #329, dark blue #332, or vermillion red #314. **VOC Compliant in all states.**

68-035 1 gallon kit

68-039 1 gallon kit - Trim colors

RAMUC TYPE EP HI-BUILD EPOXY — High solids epoxy provides a thick coating, up to 16 mils in two coats, for concrete, plaster, gunite, and fiberglass surfaces. Self-priming and compatible with other epoxy coatings. 1:1 mix ratio. High gloss finish. Coverage: 150-200 sq. ft./mixed 2 gallon kit on bare surface. 300-350 sq./ft mixed 2 gallon kit on previously coated and bare fiberglass/gelcoat surfaces. Colors: white #311, dawn blue #328, edgewater gray #377, beach beige #355, or black #321. **VOC Compliant in all states.**

68-041 2 gallon kit

RAMUC HI-BUILD EPOXY — Formulated to provide the longest lasting finish of any pool paint. Two coats offer up to 8 year service life. Packaged in an easy to use 3:1 mix ratio and builds up to 8 mils per coat. Satin finish. Coverage: 75-100 sq. ft./mixed gallon on bare surface and 125-150 sq. ft./mixed gallon kit on previously coated and bare fiberglass surfaces. Colors: white #311 and dawn blue #328. **VOC Compliant in all states.**

68-042 1 gallon kit

RAMUC THINNER — For Ramuc Type A-2 Enamel, Type EP, and Type EP HiBuild.

68-045 1 gallon can

RAMUC CLEAN & PREP SOLUTION — Cleans, degreases, and removes mineral deposits on surfaces prior to painting. **Bare Surfaces** - mix 1 gal. in 2 gal. of water, cleans 400 sq. ft. **Painted/Fiberglass Surfaces** - mix 1 gal. in 5 gal. of water, cleans 600-800 sq. ft. **Filter Elements** - mix 1 gal. in 5 gal. of hot water. **VOC Compliant.**

68-044 1 gallon can

TOLL FREE (800) 223-5450

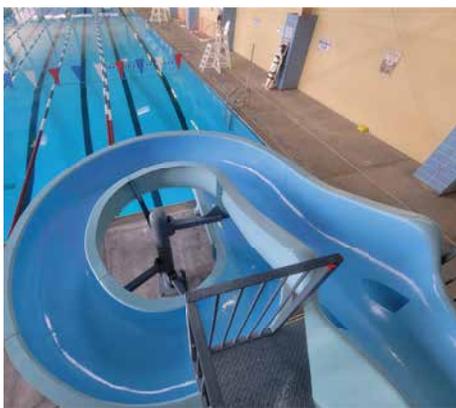
Swimming Pool Coatings



SLIDE COATING

RAMUC SLIDE COAT — High gloss slide coating cures to a tough, durable finish, providing chemical and abrasion resistance. Slide Coat is designed to promote slippage, restoring old slides, as well as sealing new backyard features. It is high solids with low odor, and is designed to optimize leveling and wetting properties, creating a smooth surface. Flexible and impact resistant. 2-part polyaspartic coating is mixed 1:1. Can be used on previously coated surfaces. Coverage: 150 sq. ft./kit. Product is self-priming and applied in 2 coats. Clean up with Ramuc Thinner. Color: clear.

69-001 2 Quart Kit



DECK SEALERS

DECK-O-SHIELD SEALER — Water-based sealer for natural stone, concrete, and masonry surfaces. Treated surface will inhibit the penetration of salts into the surface, reducing whitening and staining. Surface appearance after application and complete drying is virtually unchanged. Brush or spray on. Coverage: 100 - 175 sq. ft. gallon. Allow 12-14 hours to dry. **VOC Compliant.**

69-190 1 gallon

69-195 5 gallon



DECK-O-SHIELD PLUS SEALER — Natural stone and salt water resistant sealer. Ready-to-use, water-based sealer formulated for use on natural stone. DECK-O-SHIELD PLUS is formulated specifically to seal porous surfaces and is ideal to use on pool copings and decks protecting them from salt penetration. It can be used on all porous surfaces such as natural stone, tile, concrete, pavers, and grout. DECK-O-SHIELD PLUS provides increased resistance to spalling and pitting of porous stone and concrete surfaces caused by salt penetration as well as spalling caused by freeze-thaw cycles. Coverage: 300-475 sq. ft./gallon. **VOC Compliant.**

68-150 1 gallon

68-151 5 gallon



DECK-O-SHIELD GRIP SEALER — Acrylic-based sealer is easy-to-apply and provides a clear, flexible, and durable, abrasion and stain resistant protective coating. It is specifically designed to retain and enhance the appearance of colored concrete and exposed aggregate surfaces. The compound contains a slip-resistant additive, which establishes an easy-to-clean, non-slip surface for traditionally slippery areas. Coverage: 300-600 sq. ft./gallon **VOC Compliant.**

68-152 1 gallon

68-153 5 gallon



DECK COATINGS

OLYMPIC SUPER CONVOY COATING Non-slip epoxy coating for steps, wading pools, shower floors, and pool decks. Heavy-duty Super Convoy coating is highly resistant to moisture, steam, and even continuous submersion. Excellent for locker room floors, shower room floors, pool coping, wading pools, pool steps, and on pool decks. Colors: light gray, bikini blue, blue ice, or white. Additional colors available- inquire. Coverage: 90-110 sq. ft./kit.

69-008 1 gallon



TUFF COAT RUBBERIZED COATING — Single component, flexible, water based non-skid coating. Dries to 30-35 mil thickness. Provides optimum traction on pool decks, splash pads, kiddie pools, locker rooms and more. Available in three versions: **UT-100 Series**- Non-submersible formula with medium texture, available in 19 colors, **UT-200 Series**- Fully submersible formula with medium texture, available in 15 colors, and **UT-300 Series**- Fully submersible, heavy duty industrial formula, available only in black. Also available in 5 gallon sizes. Apply Adhesion Primer to concrete, bare wood, bare fiberglass, and painted surfaces. Cleans up with soap and water. Coverage: 45 sq. ft./gallon.

69-010 Tuff Coat UT-100, 1 gallon

69-011 Tuff Coat UT-200, 1 gallon

69-012 Tuff Coat UT-300, 1 gallon

69-013 Tuff Coat UT-80 Adhesion Primer, 1 gallon



OLYMPIC POOL COATINGS

OLYMPIC ZERON COATING SYSTEM — This system is the longest lasting epoxy pool coating available. You can expect up to eight years of service from one application of this product.

The greatest advantage of the ZERON system is that it only requires one coat. ZERON is a heavier bodied material than POXOLON 2, so it will require a little more effort in its application. Since ZERON has an extremely long life, the cost per year of service is lower than any other pool coating available. Application by roller or airless spray equipment. Recommended as an alternative to traditional pool plaster. The finished surface will stay brighter and will be easier to keep clean than a plastered pool.

Coverage: Approximately 125 - 150 sq ft per gallon.

Colors: White, Blue Mist, Blue Ice, Bikini Blue, or Black

Accent Colors: Sunshine Yellow, Red Pepper, Spanish Blue, or Viking Blue

69-230 Zeron- 1 Gallon

69-231 Zeron- 4 Gallon

69-235 Zeron Accent Colors- 1 Gallon

OLYMPIC POXOLON 2 — High gloss epoxy pool coating that is easy to apply and should yield up to five years of service. This finish is very easy to clean as is the case with all epoxy pool coatings. You may use POXOLON 2 on most conventional pool surfaces with excellent results. Uncoated pool surfaces will require a prime coat to insure good adhesion. Recommended for use by pool service companies and the do-it-yourself pool owner. Use with primer on concrete, plaster, fiberglass, and metal pools. Two finish coats of POXOLON 2 are required. May be applied by either airless sprayer or roller.

Coverage: Approximately 225 - 250 sq ft per gallon.

Colors: White, Blue Mist, Blue Ice, Bikini Blue, or Black

Accent Colors: Sunshine Yellow, Red Pepper, Spanish Blue, or Viking Blue

69-240 Poxolon 2- 1 Gallon

69-245 Poxolon 2 Accent Colors- 1 Gallon

OLYMPIC PARALON 2 — Premium-grade chlorinated rubber pool enamel. Recommended for refinishing existing chlorinated rubber coatings. Low sheen, rubber-base pool enamel with high water resistance. The soft satin appearance will please the most discriminating pool owner while providing economical protection for the pool surface. 2 - 3 years average service.

Coverage: 250 - 275 sq ft average per gallon.

Colors: White, Blue Mist, Blue Ice, Bikini Blue, or Black

69-225 Paralon 2- 1 Gallon

OLYMPIC OPTILON — Quality synthetic rubber-base formula meeting all of the high performance expectations of chlorinated rubber. OPTILON can be applied to bare concrete or plaster as well as over old rubber base coatings. OPTILON also has excellent chemical resistance and color retention while yielding 2 - 3 years average service.

Coverage: 250 - 275 square feet average per gallon

Colors: White, Blue Mist, Blue Ice, Bikini Blue, or Black

Accent Colors: Spanish Blue or Viking Blue

69-295 Optilon- 1 Gallon

69-300 Optilon Accent Colors- 1 Gallon

OLYMPIC HYDROLON — Water-reducible acrylic enamel designed for easy application on bare smooth concrete or plaster and over an old rubber-base finish. HYDROLON can be applied to damp surfaces and has no solvent vapors. The unique properties of HYDROLON make it perfect for seasonal commercial application or for use in indoor facilities.

Coverage: 250 - 300 sq ft average per gallon

Colors: White, Blue Mist, Blue Ice, Bikini Blue, or Black

69-290 Hydrolon- 1 Gallon

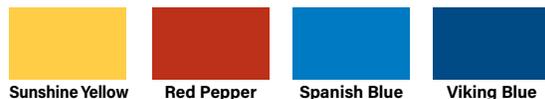


OLYMPIC COLORS



OLYMPIC ACCENT COLORS

Special order only - not stocked



OLYMPIC FUSION PLUS — Converts your worn rubber-base coated pool to an epoxy finish. Clean your pool according the surface preparation instructions on the label, and roll on FUSION PLUS. Then follow with one coat of ZERON or two coats of POXOLON 2. Your rubber-to-epoxy finish will be beautiful and will last for many years.

Coverage: Approximately 225 - 250 sq ft per gallon.

69-305 Fusion Plus- 1 Gallon

Swimming Pool Coatings



OLYMPIC PRIMERS

OLYMPIC POXOPRIME II PRIMER — Epoxy primer for application over uncoated concrete or plaster.

69-250 1 Gallon

OLYMPIC GUNZITE PRIMER — A two-part epoxy primer for application over fiberglass or unusually rough plaster or concrete.

69-260 1 Gallon

OLYMPIC BONDERITE PRIMER — Specifically formulated for use over bare aluminum pool surfaces. A two-part epoxy that should be applied by roller or spray over sanded aluminum. Two coats are recommended for maximum protection. BONDERITE should be used as an undercoat for POXOLON 2 and ZERON.

69-255 1 Gallon

OLYMPIC STEEL PRIMER — For bare steel pool surfaces. Bare steel must be sandblasted, degreased and primed immediately.

69-265 1 Gallon

OLYMPIC GALVANIZED STEEL PRIMER — A special formula primer for galvanized steel surfaces. See label instructions for application.

69-270 1 Gallon

SURFACE PREPARATION

OLYMPIC PREP MAGIC — A one-step, clean and etch pool surface preparation solution that allows you to clean your surface without the extra steps of traditional surface cleaning. Simply mix PREP MAGIC with water, clean your surface, and then rinse.

69-275 1 Gallon



COURT PAINT

DURACOURT OUTDOOR COURT PAINT— Formulated from tough acrylic polymer specifically designed for asphalt or concrete outdoor surfaces. Colorfast coating retains fresh appearance for years and resists sun fading. One-coat product that requires no specialized labor. Simply sweep, mark boundary lines and you are ready to paint. Coverage approximately 100 - 125 sq. ft. per gallon.

Colors: Court Green, Tile Red, or White

69-280 1 Gallon White

69-281 5 Gallon White

69-282 5 Gallon Tile Red

69-283 5 Gallon Green



OLYMPIC DECK COATING

PATIO TONES DECK COATING — Enhances the beauty of any concrete patio or pool deck. PATIO TONES adds life as well as protection. PATIO TONES is also excellent for the restoration of sprayed and patterned concrete surfacing systems. Simply make any necessary repairs, clean the deck area according to label instructions, and roll on PATIO TONES. Our acrylic formula lets you prepare and coat in one day, resulting in a surface that is safe, beautiful and protected.

- Two coats are required on initial application.
- Minimum 24-hour curing time – longer in cooler weather.
- All concrete surfaces should be cleaned thoroughly prior to application.

Coverage: 90 - 125 sq ft per gallon depending on surface porosity.

Colors: Ivory, Champagne, Warm Biscuit, Silk Straw, Desert Sun, Sand Valley, Mystic Gray, or Creekstone

69-310 1 Gallon





JOINT FILLERS

DECK-O-SEAL JOINT FILLER — Polyurethane sealant - for cracks and behind pool coping. Available in pre-mixed cartridges for vertical surfaces and 2-part pourable grade for horizontal surfaces. Colors: white, gray, tan or redwood.

- 69-110 11 oz. cartridge
- 69-115 96 oz. kit (pourable)
- 69-120 Squeeze bottle

DECK-O-SEAL HS-1 SL SEALANT — A one-part, self-leveling hybrid sealant, developed with silyl-modified polymer (SMP) technology. It cures under the influence of atmospheric moisture to form a medium modulus sealant with excellent adhesive properties and resistance to aging and weathering.

- 69-117 Grey
- 69-119 Tan

DECK-O-SEAL 125 — 2-part pourable, self leveling sealing compound. For high traffic areas and submerged pool floor locations. 25% firmer than regular Deck-O-Seal. Use 2-part P/G Primer for submerged expansion joints and on cracks of more than 1" for maximum adhesion. 1 quart is sufficient for 5-7 gallons of sealant. Colors: white, gray or tan.

- 69-118 94 oz. kit (pourable)
- 69-121 P/G Primer, quart kit

DECK-O-SEAL GUN GRADE — 2-part sealing compound for underwater expansion joints and vertical pool walls. Apply with trowel or air operated caulking gun. Use with 2-part P/G Primer for submerged expansion joints and cracks of more than 1" for maximum adhesion. 1 quart is sufficient for 5-7 gallons of sealant. Colors: white, gray or tan.

- 69-116 96 oz. kit
- 69-121 P/G Primer, quart kit



69-135

FOAM SEALANT BACKER — Polyurethane backer rod for expansion joints and between coping and cement deck.

- 69-125 1/4" diameter x 50' long
- 69-130 1/2" diameter x 50' long
- 69-135 3/4" diameter x 50' long



EPOXYBOND POOL PUTTY — Two-part, hand-moldable epoxy putty specially formulated for concrete or gunite pool repairs. The kit provides a simple, equal mixing ratio (1 to 1). Just cut, mix and fix. There is no need to drain pools to repair leaks and cracks, since Epoxybond pool putty hardens underwater. Once cured, it will not shrink or sag. 2 part- 14 oz. kit.

- 69-065 Epoxybond Pool Putty, 14 oz. kit



69-070

PATCHING COMPOUNDS

POXY PUTTY — Thick putty cures underwater. Poxly Putty will bond on most any surface - wet, dry, or underwater. Can be used to patch, seal, caulk, mend or fasten. 3-4 hour setup time cures in 24 hours. Coverage: 12 sq. ft. x 1/8" per 1/2 gallon kit. Color: white.

- 69-070 1/2 gallon kit



69-220

SPECIALTY COMPOUNDS

AQUAFLEX UNDERWATER SEALANT

Underwater repair compound. Creates an invisible, waterproof seal around returns, drains, light niches, steps, and cracks. Apply underwater or above water. Super flexible, clear compound will bend and stretch and still maintain its bond. Starter kit includes: 1 - 50ml tube of Aquaflex clear sealant, 1 - dispensing gun and 1 - static mixer tips (5). Requires use of dispenser.

- 69-220 AquaFlex Starter Kit
- 69-200 AquaFlex Underwater Sealant, 50 ml
- 69-205 Dispenser for 50 ml cartridge



69-100

69-105

ADHESIVES AND GROUT REPAIR

QUICK FIX TILE ADHESIVE — 1-part silicone adhesive. Provides excellent adhesion to ceramic, masonry, wood, metal, fiberglass, and acrylic. Cures completely in 24 - 72 hours. Color: white.

- 69-100 10.3 oz. tube

QUICK FIX TILE GROUT — 1-part silicone adhesive sealant, specially formulated for grouting ceramic tile. Requires no mixing and cleans up with soap and water. Mold and mildew resistant; remains flexible and will not fall out of joints. Colors: white, gray or tan.

- 69-105 10.3 oz. tube



69-095

PLASTER REPAIR

POOL PLASTER REPAIR — Plaster surface repair kit. Waterproof cement compound is fast setting, stronger than concrete and can be applied underwater. 2 1/2 lbs. covers 32 cu. in. Color: white.

- 69-095 10# pail



69-150

LUBRICANTS

MAGIC LUBE — Teflon-based, sealant/lubricant used for lubricating o-rings and gaskets. 5 oz. tube.

- 69-150

MAGIC LUBE II — Silicone-based, pool lubricant used on o-rings, gaskets, valves and pool items that move. 5 oz. tube.

- 69-151

Locker Systems



1-Tier 4-Tier 6-Tier 3-Tier

PLASTIC LOCKERS

LENOX PLASTIC LOCKERS — Corrosion proof and unaffected by high humidity environments. $\frac{3}{8}$ " solid plastic side panels with $\frac{1}{2}$ " doors and frames. Available in a variety of standard locker sizes and styles, with custom sizes available. Graffiti can easily be removed. Locker end panels ordered separately for stand alone lockers. Locker top panels ordered separately, inquire. Optional 3" base provides toe clearance and a finished look for the lockers, ordered separately. Many new colors available, inquire. **All plastic locker parts and components carry a 20 Year Limited Warranty.**

Sloped Top	60" Tall	72" Tall
1-Tier		
12" W x 12" D	70-120	70-125
12" W x 15" D	70-130	70-135
12" W x 18" D	70-140	70-145
2-Tier		
12" W x 12" D	70-150	70-155
12" W x 15" D	70-160	70-165
12" W x 18" D	70-170	70-175
3-Tier		
12" W x 12" D	70-180	70-185
12" W x 15" D	70-190	70-195
12" W x 18" D	70-200	70-205
4-Tier		
12" W x 12" D	70-210	70-211
12" W x 15" D	70-215	70-216
12" W x 18" D	70-220	70-221
5-Tier		
12" W x 12" D	70-225	70-226
12" W x 15" D	70-230	70-231
12" W x 18" D	70-235	70-236
6-Tier		
12" W x 12" D	.	70-240
12" W x 15" D	.	70-245
12" W x 18" D	.	70-250

Sloped Top End Panels	60" Tall	72" Tall
12" D	70-386	70-386
15" D	70-387	70-387
18" D	70-388	70-388

Flat Top	60" Tall	72" Tall
1-Tier		
12" W x 12" D	70-255	70-260
12" W x 15" D	70-265	70-270
12" W x 18" D	70-275	70-280
2-Tier		
12" W x 12" D	70-285	70-290
12" W x 15" D	70-295	70-300
12" W x 18" D	70-305	70-310
3-Tier		
12" W x 12" D	70-315	70-320
12" W x 15" D	70-325	70-330
12" W x 18" D	70-335	70-340
4-Tier		
12" W x 12" D	70-345	70-346
12" W x 15" D	70-350	70-351
12" W x 18" D	70-355	70-356
5-Tier		
12" W x 12" D	70-360	70-361
12" W x 15" D	70-365	70-366
12" W x 18" D	70-370	70-371
6-Tier		
12" W x 12" D	.	70-375
12" W x 15" D	.	70-380
12" W x 18" D	.	70-385

Flat Top End Panels	60" Tall	72" Tall
12" D	70-391	70-391
15" D	70-392	70-392
18" D	70-393	70-393



70-255 70-285 70-255 70-391

LENOX ACCESSORIES

- 70-400** 3" Base
- 70-405** Locker numbers
- 70-410** Clothing hooks
- 70-415** Custom logo
- 70-420** Mesh front door
- 70-425** Key lock
- 70-430** Built-in combination lock
- 70-435** Coin operated lock



70-620

LENOX PLASTIC BENCH LOCKER

Tough, functional and space efficient solid plastic bench locker designed for the wet aquatic environment. Will not corrode or delaminate. Many colors available, inquire. Size: 12" D x 20" H. **20 Year Limited Warranty.**

Item	Bench Length	# of Openings
70-620	3'	3
70-625	4'	4
70-630	5'	5
70-635	6'	6



STORAGE CUBBY

LENOX STORAGE CUBBY — Open storage solution to allow patrons to put their belongings neatly in their place. Low maintenance storage units are available in either 60" or 72" heights with options from two-tier cubbies to six-tier units. The cubby is constructed of $\frac{3}{8}$ " thick high density polyethylene dividers and $\frac{1}{2}$ " thick frames. Ships fully assembled, installation process is simply securing the storage cubby to a wall. Flat top end panels cover white cubby sides on exposed ends, ordered separately. Locker top panel provides a finished look on top of Cubbies. Optional sloped top or recessed base for toe clearance, ordered separately. Available in 17 external colors. All cubby openings are white.



70-540*

70-391

***NOTE: Photo above consists of: 3 each 5-Tier Cubbies with Flat Top Panel and 2 each 60" Flat Top End Panels.**

TOLL FREE (800) 223-5450

Cubby Size	60" Tall	72" Tall
2-Tier		
12" W x 12" D	70-450	70-455
12" W x 15" D	70-460	70-465
12" W x 18" D	70-470	70-475
3-Tier		
12" W x 12" D	70-480	70-485
12" W x 15" D	70-490	70-495
12" W x 18" D	70-500	70-505
4-Tier		
12" W x 12" D	70-510	70-515
12" W x 15" D	70-520	70-525
12" W x 18" D	70-530	70-535
5-Tier		
12" W x 12" D	70-540	70-545
12" W x 15" D	70-550	70-555
12" W x 18" D	70-560	70-565
6-Tier		
12" W x 12" D	-	70-575
12" W x 15" D	-	70-585
12" W x 18" D	-	70-595

Flat Top End Panels	60" Tall	72" Tall
12" D	70-391	70-391
15" D	70-392	70-392
18" D	70-393	70-393



71-071
71-082

CHECK BAG SYSTEMS

CHECK BAG RACKS — Check bag racks are designed to minimize space, yet store as much as possible. Check bag racks are constructed entirely of 304 stainless steel. Each component piece is welded together. The complete rack is easily assembled on site with the provided slip joint connectors and self-tapping screws. Custom labels are provided for each bag location. Specify any numbering pattern from 1 to 999. Hook holds both the garment bag and ID pin in place. Polished stainless steel option available inquire. Casters are optional on floor models. Clothing check bags not included.

Item	Type	Bag Capacity	Size (W x H x D)
71-061	2-Tier Wall	30	74" x 36" x 12.5"
71-066	3-Tier Wall	45	74" x 64" x 12.5"
71-071	2-Tier Floor	60	74" x 72" x 26"
71-076	3-Tier Floor	90	74" x 92" x 44"
71-081	Casters - set of four		
71-082	Polished stainless steel option		



71-055

CLOTHING CHECK BAGS

UNIVERSAL CLOTHING CHECK BAGS

Standard bags feature one main pocket and two separate pockets for shoes and miscellaneous items. Deluxe bag includes a bar that allows pants to hang neatly. Bag size: 21"H x 18"W. Color: gray.

71-055 Standard clothing check bag

71-056 Deluxe clothing check bag

Locker Room Accessories

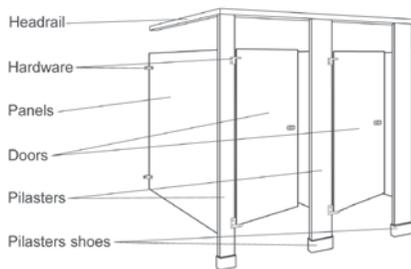


72-002

BATHROOM PARTITIONS

LENOX PLASTIC BATHROOM PARTITIONS — Durable plastic Bradmar partitions are an excellent choice for public and wet areas. Solid plastic material won't warp or crack and is resistant to graffiti. Available in 13 colors. Partitions are available in two different styles: floor mounted overhead braced and floor-to-ceiling. Other bathroom components are available, inquire. Plastic Bradmar material is warranted for 15 years. Your Lincoln Representative can help design your bathroom partition needs.

72-002



72-005

BABY CHANGING STATIONS

KOALA PLASTIC CHANGING STATIONS By Koala. Polypropylene body in Horizontal Wall Mount and Vertical Wall Mount styles. Includes child safety straps and bed liner dispenser. Bed surface contains Microban® antimicrobial, reducing odor causing bacteria. Meets ADA requirements. Horizontal colors: cream, gray, or white granite. Vertical colors: beige, gray, or white granite. Sanitary bed liners ordered separately.

- 72-005 Horizontal wall mount kit
- 72-009 Vertical wall mount kit



72-009

72-032

STAINLESS VENEER CHANGING STATIONS — By Koala. Polypropylene body with brushed stainless steel veneer panel. Available in Horizontal Wall Mount and Vertical Wall Mount style. Includes child safety straps and built-in bed liner dispenser. Colors: gray or white granite. Sanitary bed liners ordered separately.

- 72-031 Horizontal wall mount kit
- 72-032 Vertical wall mount kit



72-007



72-003

STAINLESS CHANGING STATIONS — By Koala. Stainless steel with plastic bed. Available in Horizontal Wall Mount and Horizontal Recessed Mount styles. Includes child safety straps and built-in bed liner dispenser. Color: gray. Sanitary bed liners ordered separately.

- 72-007 Horizontal wall mount
- 72-003 Horizontal recessed mount



72-015

KOALA CHILD PROTECTION SEAT — Plastic seat with safety straps for wall or stall mounting. Eliminates the danger of leaving baby unattended. Colors: cream or gray.

72-015



72-020

BABY CHANGING STATION ACCESSORIES

- 72-011 Replacement strap set, horizontal
- 72-012 Replacement strap set, vertical
- 72-020 Sanitary bed liners, case of 500



72-005



72-100



SUITMATE SELECT PROGRAM — Allows you to customize the case of the SUITMATE with a double layer premium vinyl wrap. Add your facility name, school, team name or anything else you can imagine. Each wrap is applied in one seamless piece, protecting against peeling or tears. The overlamine layer gives your design a glossy finish and excellent clarity. The colors, patterns and designs are endless.

72-110 Suitmate Select Program

SWIMSUIT WATER REMOVERS

SUITMATE WATER EXTRACTOR — For over 40 years the SUITMATE has served a diverse range of aquatic facilities, from high-end spas and hotels, to fitness clubs and public pools. Constructed from 304-series, medical-grade stainless steel, the unit is durable and performs well in high moisture environments. Each unit is manufactured in the USA and includes a high-speed spin process with manual self-start and stop features, allowing for safe operation without heat. Removes 95% of water from a wet suit in just 8 seconds. Your clients want a safe and simplified departure from your facility. You want an easy-to-maintain facility appointed with modern amenities. The SUITMATE Swimsuit Water Extractor satisfies both desires by getting guests safely on their way while keeping facilities clean. 115 volt with built in GFCI. Wall mounted. **1 Year Limited Warranty.**

72-100 Suitmate Water Extractor



72-110



72-076

SHOWER SEATS

MOLDED PLASTIC SHOWER SEAT — Stainless steel frame with plastic seat which contains Microban® to help fight against bacteria. Folds to vertical position when not in use. Meets ADA requirements. Seat available as left or right mount. Weight limit is 250 lbs. Size: 33" wide x 22" deep x 3/4" thick.

72-076 Molded Plastic Shower seat, left

72-077 Molded Plastic Shower seat, right



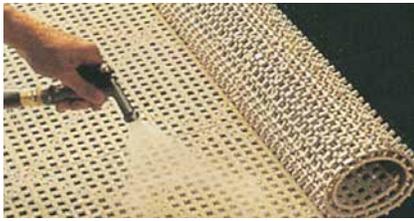
72-078

REVERSIBLE SHOWER SEAT — Folding plastic laminate shower seat is made of 5/16" Melamine which secures to a stainless steel frame. Support leg locks seat securely in place. Meets ADA requirements. Seat can be used as left or right mount. Weight limit is 400 lbs. Size: 34 1/2" wide x 22" deep x 1/2" thick. Color: white, silver gray and sand.

72-078



Floor Coverings



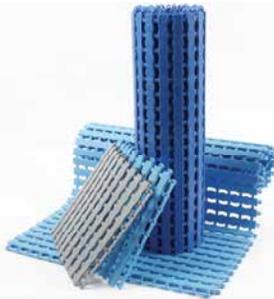
73-005

FLOORING TILES

DRI-DEK FLOORING TILES — Interlocking floor tiles that snap together for easy installation. Patented design allows dirt and water to flow through the self-draining surface. Provides dry, anti-skid surface for showers, locker rooms, pools, spas or saunas. Colors: royal blue, green, yellow, teal, red, black, burgundy, gray, almond or white. Size: 12" x 12" x 9/16".

10 Year Limited Warranty.

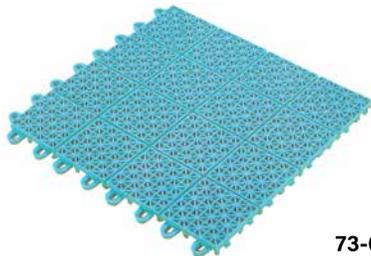
- 73-005 Dri-Dek tiles, each
- 73-010 Sloped edging
- 73-015 Edging corners



73-016

HERONTILE FLEXIBLE FLOORING TILES — Exclusive "wave design" creates distinctive style for wet areas. Open grid, broad slat design allows you to easily roll-up flooring tiles for cleaning. Features fungus and anti-bacterial inhibitors. Circular embossing is comfortable on your feet while providing additional slip resistance. Colors: ocean blue, beige, light blue or gray. Size: 13" x 13" x 5/8". Case of 27 tiles. Sloped edging available in ocean blue only.

- 73-016 Herontile flexible flooring tiles, case
- 73-017 Sloped edging



73-020

MATEFLEX III FLOORING TILES — Rubber/polypropylene tiles provide a dry and skid-resistant surface for high traffic areas. Tiles are UV-stabilized and have fungus and mildew inhibitors. Snap-lock tiles assemble together easily. Colors: light blue, dark blue, green, forest green, white, yellow, terra cotta, sand, brown, orange, gray or black. Size: 12" x 12" x 1/2".

- 73-020 Mateflex III tiles, each
- 73-025 Sloped edging, male
- 73-030 Sloped edging, female



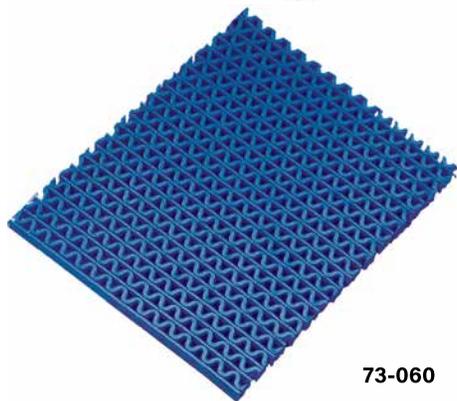
73-041

PRO-DEK™ FLOORING TILES — Comfort dome surface provides unsurpassed comfort. Tile design allows air and water to pass through quickly and easily. Interlocking tiles with antibacterial additive. Colors: pacific blue, sunset red, rainforest green, storm black, dolphin gray, or seashell beige. Size: 12" x 12" x 1/16".

- 73-041 Pro-Dek™ tiles, each
- 73-042 Sloped edging, male
- 73-043 Sloped edging, female
- 73-044 Edging corners, each



73-041



73-060

FLOORING ROLLS

SAFETY WALK MATTING — Designed specifically for wet areas. "Z" pattern provides slip-resistant footing in barefoot traffic areas. Easy to clean. Resistant to chemicals and mildew. Recommended for indoor use. Colors: blue or wheat.

- 73-060 3' x 20' roll

NOTE: See page 100 for WYSIWASH Cleaning Systems.



73-059

AQUATIC MATTING — Comfortable soft texture PVC surface reduces slippage under wet conditions. **High Traffic Matting** features heavy density design for added durability and **Lightweight Matting** is ideal for locker rooms and walkways. Colors: blue, gray, sandstone or hunter green. High Traffic additional colors: chocolate brown or black. **3 Year Limited Warranty.**

Roll Size	Lightweight 1/4" Thick	High Traffic 3/8" Thick
2' W x 25' L	73-053	73-054
3' W x 25' L	73-056	73-057
6' W x 25' L	73-058	73-059



73-056

FLOORING ACCESSORIES

AQUATIC MATTING ACCESSORIES — Seam Adhesive, Seam Accelerator, and Seam Backing Strip permanently welds Aquatic Matting together. Coverage: 100 lineal ft. Ordered separately.

Item	Description
73-061	Pro Fix 240 Seam Adhesive
73-062	Pro Fix 241 Seam Accelerator
73-063	Seam Backing Strip, 100'



73-058



HERONRIB MATTING — Designed for hard-wearing indoor/outdoor use with the added benefit of a "comfort" style that is ideal for bare foot areas. Wide-spaced grid design takes large volumes of water and quickly channels it away to maintain a stable surface for standing and walking. Built with antibacterial/antifungal protection for less maintenance. Matting is flexible and easily cuts to fit any application. Vinyl edging strip provide flexible ramping of the perimeter, attaches with cold welding paste for permanent bond, included. Matting colors: oxford blue, ocean blue, charcoal gray, forest green, mulberry red, white, or buff. Joining strips used to link lengths together. Color: dark gray. Side-to-side clips are used to join rolls together. Color: dark gray or black.

- 73-126** Heronrib matting, 2' x 33'
- 73-127** Heronrib matting, 3' x 33'
- 73-128** Heronrib matting, 4' x 33'
- 73-129** Vinyl edging, 2" x 33'
- 73-124** Joining strips, 8'2"
- 73-123** Side-to-side clips, pkg. of 10



73-127



FLOORLINE MATTING — Lightweight, slip-resistant matting has an open grid design, with embossed surface, for slip resistance and drainage. Anti-fungal properties protect bare feet in pool area and locker rooms. Floorline matting is ¼" thick and easy to move or lift for cleaning. Colors: blue, red, green, beige, or white. Available in 33 ft. rolls, in either 2 ft. or 3 ft. widths.

- 73-131** Floorline matting, 2' x 33'
- 73-132** Floorline matting, 3' x 33'



73-090

SAFETY STRIPS

PRE-CUT SAFETY STRIPS — Medium texture peel-and-stick safety strips combat slippery areas. Primer and edge sealer add extra bonding power. Primer coverage: 35 sq. ft. per quart. Edge sealer tube seals 135 lineal feet of edging. Color: black.

- 73-090** ¾" x 24", pkg. of 50
- 73-095** 6" x 24", pkg. of 50
- 73-100** 5½" x 5½", pkg. of 50
- 73-120** Primer, quart
- 73-125** Edge sealer tube, 5 oz.



73-075

VINYL RUNNER

CORRUGATED VINYL RUNNER — ⅛" thick vinyl runner is ideal for heavy traffic areas and in locker rooms. Easy to sweep and maintain. Colors: brown or black.

- 73-075** 24" wide, per ft.
- 73-080** 36" wide, per ft.
- 73-085** 48" wide, per ft.



73-130

EXERCISE MATS

COMFORT GYM PRO MAT — Contains 89% air, providing maximum comfort and protection while you exercise. ComfortGym Pro Mat is ½" thick and offers optimum exercise surface area. Anti-bacterial protection improves hygiene and a soft aroma which reduces odors. Waterproof and stain resistant, making them easy to clean and maintain. Includes "O" rings for hanging. Size: 2' x 4½' x ½" thick. Specify color: black, orange, gray, blue or red.

- 73-130** 1-9 mats
- 73-135** 10+ mats



73-140

COMFORT GYM PRO WALL HANGER — ComfortGym Wall Hanger allows you to save valuable space by storing up to 10 ComfortGym mats.

73-140

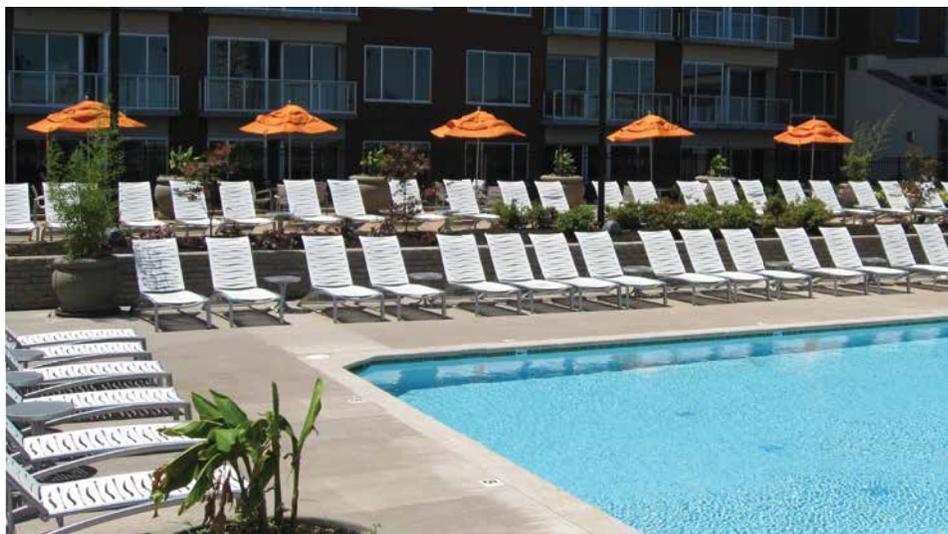
Outdoor Furniture

TROPITONE®

We have over 60 years experience in the outdoor furniture industry. Let us recommend styles and brands that have been proven to stand up to commercial use.

All furniture listed below has been carefully screened and was selected because of its styling, durability, ease of handling, and pricing. Pricing represents the manufacturers wholesale price. Additional discounts may apply depending on manufacturer and quantity ordered.

We invite you to contact us so we can review the various brands and styles that are available. Our representatives are knowledgeable about which products work the best in specific applications and they would be happy to review your needs with you.



TROPITONE FURNITURE

Tropitone is the leader in the casual furniture industry. Tropitone continually produces the most innovative furniture designs while maintaining comfort, style and dependability. All of Tropitone's frames are made of extruded aluminum for strength and then welded, using full circumference welds. Each weld is then buffed to eliminate any rough edges. Frames are powder-coated after a three-stage, pre-wash system to completely encapsulate and seal the frame. Tropitone finishes are second to none. Virgin vinyl strapping with built-in mildew inhibitors and ultraviolet stabilizers are then used to complete the product. **All Tropitone contract furniture is backed by a 5 Year Warranty.** Experience the Tropitone difference!

SOUTH BEACH BY TROPITONE — All aluminum frame with powder-coated finish. Available in EZ-Span "ribbon" and "wave" style straps, and also in "relaxed sling" style. South Beach chairs and chaise lounges are stackable for ease of storage. Available in multiple EZ-Span strap colors, sling fabric choices, and frame colors. Additional charge for Premium finishes.



74-047



LA SCALA BY TROPITONE — Classic Mediterranean style chair and chaise lounge. Aluminum frame with powder coated finish. Chairs and chaise lounge stack for ease of storage. Available in 8 strap colors and 15 frame colors. Additional charge for Premium finishes.

- 74-095 Stacking dining chair
- 74-100 Stacking chaise lounge



74-049

Style	EZ-Span Ribbon	EZ-Span Wave	Relaxed Sling
Dining Chair	74-041	74-046	74-050
Chaise Lounge	74-042	74-047	74-051
Spa Chair	74-043	74-048	74-052
Bar Stool	74-044	74-049	74-053



74-052

Your Lincoln Representative can help you select the furniture styles and designs that are most suitable for your application. We can also provide you with frame color and fabric samples to help select the best choices for your facility. All Tropitone contract furniture is covered by a 5 Year factory Warranty.



75-015

KAHANA BY TROPITONE — All-aluminum frames with vinyl strapping. Clean, classic design that is specifically designed for commercial use. Chairs and chaise lounges stack for ease of storage. Available in multiple EZ-Span strap and frame colors. Additional charge for Premium finishes. Additional charge for Premium finishes.

75-010 Stacking club chair

75-015 Stacking dining chair

75-020 Stacking chaise lounge



74-060



75-020



74-040



74-055

MILLENNIA EZ-SPAN BY TROPITONE Utilizes original "ribbon" style EZ-Span straps. These revolutionary straps allow for easy vinyl strap replacement. Straps can be changed in 3 easy steps. Available in multiple EZ-Span strap and frame colors. Additional charge for Premium finishes. Additional charge for Premium finishes.

74-040 Stacking dining chair

74-045 Sled base dining chair

74-055 Stacking chaise lounge

74-060 Stacking sand chair

74-065 Bar stool



74-075



74-075



74-070



EZ-Span Strap System

MILLENNIA EZ-SPAN BY TROPITONE — Utilizes new "wave" style EZ-Span straps. These revolutionary straps allow for easy vinyl strap replacement. Straps can be changed in 3 easy steps. Additional charge for Premium finishes. Additional charge for Premium finishes.

74-070 Stacking dining chair

74-075 Sled base dining chair

74-080 Stacking chaise lounge

74-085 Stacking sand chair

74-090 Bar stool



74-090



74-080

Tropitone tables and umbrellas with matching fabrics are also available for each style of furniture. See [pages 206 and 207](#) for umbrellas and bases.

Outdoor Furniture



TEXACRAFT®



VISION SLING — Commercial grade aluminum frame is powder coated for durability. Vision Sling Dining Chairs, Chaise Lounge, and Spa Chair are stackable. Sling fabric is replaceable. Each piece is available in a variety of finishes and fabrics- inquire. **5 Year Warranty.**

- 75-400 Nesting Dining Chair
- 75-401 Nesting Chaise Lounge
- 75-402 Nesting Spa Chair
- 75-403 Bar Stool



SCANDIA SLING — Commercial grade aluminum frame is powder coated for durability. Scandia Sling Dining Chairs, Chaise Lounge, and Spa Chair are stackable. Sling fabric is replaceable. Each piece is available in a variety of finishes and fabrics- inquire. **5 Year Warranty.**

- 75-404 Nesting Dining Chair
- 75-405 Nesting Chaise Lounge
- 75-406 Nesting Spa Chair
- 75-407 Sled Base Nesting Spa Chair
- 75-408 Sling Bar Stool



SPLASH STRAP — Commercial grade aluminum frame is powder coated for durability and built with double wrapped 2" virgin vinyl strapping with mildew inhibitors. Splash Game Chairs, Chaise Lounge, and Spa Chair are stackable. Each piece is available in a variety of finishes and vinyl strap colors- inquire. **5 Year Warranty.**

- 75-423 Double Wrapped Nesting Game Chair
- 75-424 Double Wrapped Chaise Lounge
- 75-425 Double Wrapped Nesting Sand Chair
- 75-436 Double Wrapped Bar Stool



OASIS COLLECTION — Commercial grade aluminum frame is powder coated for durability. Oasis Dining Chairs, Chaise Lounge, and Spa Chair are stackable and available in Sling or Crossweave styles. Sling fabric is replaceable. Each piece is available in a variety of finishes, fabrics, and straps- inquire. **5 Year Warranty.**

Item Type	Sling	Crossweave
Nesting Game Chair	75-426	75-435
Nesting Chaise Lounge	75-427	75-430
Nesting Sand Chair	75-428	75-438
Bar Stool	75-429	75-437

Outdoor Furniture



TABLES

ALUMINUM SLAT TOP TABLES BY TEXACRAFT — Extruded aluminum tops with aluminum base. Dining tables include umbrella hole. Tables are available in all frame finishes- inquire.

- 75-418 Round, 23.5" diameter
- 75-419 Round, 36" diameter
- 75-420 Round, 42" diameter
- 75-421 Round, 48" diameter
- 75-422 Square, 42" square



ACRYLIC TABLES BY TROPIC CRAFT- Commercial grade aluminum framed tables with acrylic top. Dining tables include umbrella hole, but can be deleted, if not required. Tables are available in standard frame colors- inquire.

- 75-413 18" square
- 75-270 18" diameter
- 75-275 42" diameter
- 75-280 48" diameter
- 75-415 42" diameter
- 75-414 48" diameter



RESIN FURNITURE

SIESTA RESIN FURNITURE – By Compamia. High quality, UV resistant commercial marine grade resin furniture. Aqua Pool Chaise Lounge- four position back adjustment folds flat and is stackable with recessed wheels. Color: white. Pacific Sling Chaise Lounge- five position adjustable lounge with comfortable sling mesh fabric. Lounge folds flat and is stackable with recessed wheels. Color: white with blue mesh sling. Artemis 42" Square Dining Set- with four stackable arm chairs. Color: white. Artemis Arm Chair is stackable. Color: white. Resin Dining Tables and Side Tables- color: white. Additional frame and fabric colors also available- inquire.

- 75-350 Aqua Pool Chaise Lounge- 4 pack
- 75-351 Pacific Sling Chaise Lounge- 2 pack
- 75-352 Artemis 42" Square Dining Set, with Four Chairs
- 75-353 Artemis Arm Chair- 2 pack
- 75-354 Sunray 16" Square Side Table- 2 pack
- 75-355 Truva 42" Round Dining Table-each



TEXAWOOD BREEZE FURNITURE

24" dia. bar table and saddle style bar stools constructed of Texawood recycled HDPE material, that is UV protected. Stainless hardware. Contempo Style- has white or black legs only, with traditional or vibrant colors. Traditional Style- is available in traditional lumber colors only.

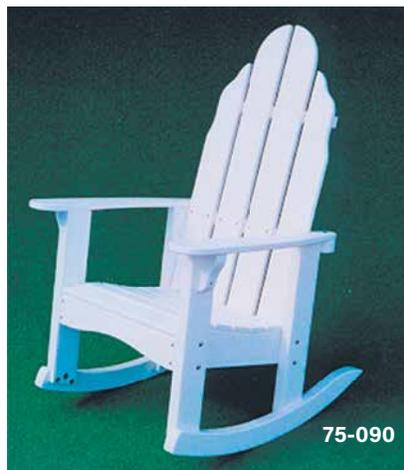


Item	Style	Description	Size
			(W x D x H)
75-410	Contempo	Bar Table	24" x 24" x 42"
75-409	Contempo	Bar Stool	20 1/2" x 15 3/4" x 29 3/4"
75-412	Traditional	Bar Table	24" x 24" x 42"
75-411	Traditional	Bar Stool	20 1/2" x 15 3/4" x 29 3/4"



RECYCLED PLASTIC FURNITURE
FURNITURE — Classic style made from 100% recycled plastic. Will never rot, peel, crack or splinter. Stainless hardware. Salt water resistant, stores outdoors year round. Contoured seats and back. Table size: 21" H x 20" W x 19" D. Colors: white, cedar or green.

- 75-080** Adirondack chair
- 75-085** Adirondack ottoman
- 75-090** Adirondack rocker
- 75-095** Adirondack table
- 75-100** Adirondack sand chair



FURNITURE RESTORERS

MULTI-SURFACE CLEANER — removes dirt, grease, and oil stains. Safe for canvas, cushions, and vinyl surfaces.

FABRIC GUARD — Restores water and stain repellency to fabrics. Protects outdoor cushions and umbrella fabrics.

MOLD & MILDEW CLEANER — Quickly removes mold and mildew stains and blocks them from reoccurring.

PROTECTANT — keeps surfaces looking new, without oily residue. Blocks UV rays and restores lost color and luster. Available in 1 quart spray bottles.

- 75-061** Multi-Surface Cleaner, 1 quart
- 75-062** Fabric Guard, 1 quart
- 75-063** Mold & Mildew Cleaner, 1 quart
- 75-064** Aerospace Protectant, 1 quart



LEDGE®



MAINSTAY DINING FURNITURE — High quality Mainstay furniture includes, Dining Side Chair, Dining Arm Chair, Dining Bench, and Bench with Back. Mainstay Dining Tables- 48" Round Dining Table, 48" Square Dining Table, and Rectangular Dining Table (75" L x 36" W). Cushions ordered separately, if desired. Custom fabric embroidery available- inquire.

- 75-449** Dining Side Chair
- 75-450** Dining Arm Chair
- 75-451** Dining Bench, 25"
- 75-452** Dining Bench, 52"



LEDGE OUTDOOR FURNITURE

LEDGE OUTDOOR FURNITURE — Brings modern sophistication to classic outdoor favorites. Crafted with high-quality UV Rated HDPE Resin. Designed to withstand the harshest elements in any outdoor environment. Available in 15 frame colors and cushions are made with Marine Grade Sunbrella fabrics, in a variety of colors. No assembly required. 5 Year Commercial Warranty. **5 Year Warranty**

MAINSTAY ADIRONDACK FURNITURE

Available in a variety of individual Adirondack style furniture- Chair (17" seat height), Ottoman (16.5" height), Rocking Chair (17" seat height), Tall Chair (29" seat height). Coordinated headrest pillows, seat cushions, and full cushions also available. Custom logo engraving and custom fabric embroidery available- inquire.

- 75-440** Adirondack Chair
- 75-441** Adirondack Ottoman
- 75-442** Adirondack Rocking Chair
- 75-443** Adirondack Tall Chair

ADIRONDACK CUSHIONS

- 75-444** Adirondack Headrest Pillow
- 75-445** Adirondack Seat Cushion
- 75-446** Adirondack Full Cushion

MAINSTAY CHAISE LOUNGE — Chaise with 5 adjustable position adjustments. Size: 77.5" L x 26.5" W x 38" H, with 13" seat height. Chaise cushion ordered separately if desired. Custom logo engraving and custom fabric embroidery available- inquire.

- 75-447** Mainstay Chaise Lounge
- 75-448** Mainstay Chaise Cushion



MAINSTAY DINING TABLES

- 75-454** Round Dining Table, 48" dia.
- 75-455** Square Dining Table, 48" square
- 75-456** Rectangular Dining Table, 75" x 36"

MAINSTAY CUSHIONS

- 75-457** Side Chair Seat Cushion
- 75-458** Arm Chair Seat Cushion
- 75-459** Dining Bench Seat Cushion, 25"
- 75-460** Dining Bench Seat Cushion, 52"

LEDGE LOUNGER FURNITURE

Ledge is the innovators of in-pool furniture, utilizing the best materials and craftsmanship to provide pieces that are designed to last a lifetime in the harshest environments. UV16 Rated to withstand chemicals and fading for 10+ years. Patented "stay in place" technology, allows you to fill furniture with water to keep it in place. Available in 12 resin colors. Make a statement with your pool by creating your in-pool space with Ledge. Made in the USA.



75-290

SIGNATURE CHAISE — Available in two styles- Chaise and Chaise Deep. The Chaise is to be used in areas with 0-9" of water. Size: 23" W x 70" L x 22" H. Chaise Deep is for pools with deeper shelf areas, with water depths of 10"-15" of water. Size: 23" W x 74" L x 31.5" H. Both chaises are stackable for ease of storage. Available in 12 colors.

75-290 Chaise Lounger

75-295 Chaise Deep Lounger

SIGNATURE CHAIR — Available in two styles- Chair and Low Back Chair. Both work in water depths up with 0-9" of water. The more upright design allows users to enjoy the pool ledge from a different angle. Chair Size: 20" W x 35" L x 36.5" H. Low Back Chair Size: 20" W x 35" L x 28" H.

75-300 Signature Chair

75-301 Signature Low Back Chair



LEDGE LOUNGER ACCESSORIES

CHAISE HEADREST PILLOW — Designed for use with Signature Chaise and Chaise Deep. Available in a variety of fabrics. Size: 8" L x 11" W x 4" D. Custom embroidery available- inquire.

75-310 Chaise Headrest Pillow

CHAISE SHADE — Designed for use with Signature Chaise and Chaise Deep. Available in a variety of fabrics. Colors: white, cloud, or gray. Attaches to top of chaise back. Media viewing window fits devices up to 11" Size: 26" L x 23" W x 11" H. Custom embroidery available- inquire.

75-306 Chaise Shade

CHAIR SHADE — Designed for use with Signature Chair. Available in matching frame color and in a variety of fabrics. Attaches to top of chair back. Colors: white, cloud, or gray. Size: 26" L x 20.5" W x 11" H. Custom embroidery available- inquire.

75-309 Chair Shade

SIGNATURE BARSTOOL — Available in two sizes- Bar Height and Counter Height. Turns any pool space into a resort haven. Self-filling with adjustable feet for levelling on any surface. Bar Height barstools are for water depths of 36"-52". Size: 18" W x 18" D x 33" H. Counter Height barstools are for water depths of 24" - 40". Size: 18" W x 18" D x 21" H.

75-302 Bar Height Barstool

75-303 Counter Height Barstool

SIDE TABLE — A perfect place to hold your drinks and sunscreen while lounging in the pool. For use in up to 10" of water. Weighs 12 lbs. empty and 78 lbs. when filled with water. Size: 18" D x 14" H. Available with or without an umbrellas hole.

75-307 Side Table, with umbrella hole

75-308 Side Table, without umbrella hole

SIGNATURE RISERS — Add a riser to Signature Chaise, Deep Chaise, Chair, and Low Back Chair, to allow use in slightly deeper water. Colors: white, cloud, or gray.

Riser Style	Item	Water Depth
Chaise Riser	75-321	9" - 12"
	75-322	12" - 14"
	75-323	14" - 15.5"
Chaise Deep Riser	75-324	15" - 18.5"
	75-325	18.5" - 20"
Chair Riser	75-326	10" - 12"
	75-327	12" - 15"
	75-328	15" - 18"
	75-329	18" - 20"
Low Back Chair Riser	75-330	10" - 12"
	75-331	12" - 15"
	75-332	15" - 18"
	75-333	18" - 20"



Picnic Tables



76-086

PLASTIC PICNIC TABLES

PLASTIC PICNIC TABLE — Classic 6' picnic table designed for rugged outdoor use. Recycled plastic lumber construction gives the appearance of wood without the maintenance. Top color: cedar. Base color: brown, green or black.

76-086



76-085

PUB HEIGHT HEX PICNIC TABLE

— Durable and long-lasting, premium quality HDPE plastic lumber, is ideal for outdoor use. Pub height table makes it perfect for adult seating and provides an elevated viewing height over railings. Used in many cities and national parks. Drilled for up to 1 3/4" umbrella pole. Top color: cedar. Base color: brown, green, or black. 28 additional color combinations also available.

76-085



76-088

HEX PLASTIC PICNIC TABLE — Unique hexagonal table features an easy walk-through design. High durability, low maintenance and weather resistance makes this table ideal for any setting. 100% recycled plastic lumber construction. Top color: cedar. Base color: brown, green or black.

76-088



76-210

EXPANDED STEEL TABLES

ULTRASITE™ PICNIC TABLES — Expanded steel tables feature premium UV protected Thermoplastic Coating. Superior adhesion ensures a smooth, shiny finish. If needed, coating is easily repaired in the field. Available in Diamond and Perforated metal plank styles. Portable and/or surface mount. Heavy-Duty tubular frames with stainless steel hardware. Picnic Tables: 2 3/8" dia. tubing. Round and Square Tables: 1 5/8" dia. tubing. Inquire for frame and seat colors.



76-290

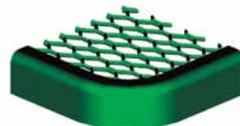
Style	Size	Standard		ADA-Single Sided	
		Diamond	Perforated	Diamond	Perforated
Rectangle	6'	76-200	76-205	-	-
Rectangle	8'	76-210	76-215	76-220	76-225
Rectangle	10'	76-230	76-235	76-240	76-245
Square	46"	76-250	76-255	76-260	76-265
Octagon	46"	76-270	76-275	76-280	76-285
Round	46"	76-290	76-295	76-300	76-305



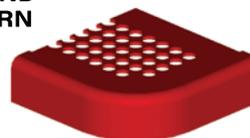
76-265



76-255



DIAMOND PATTERN



PERFORATED PATTERN



76-270



77-360

EXPANDED STEEL BENCHES

ULTRASITE™ BENCHES — Expanded steel benches feature premium, UV protected, Thermoplastic Coating. Superior adhesion ensures a smooth, shiny finish. If needed, coating is easily repaired in the field. Extra deep seats are 15" wide for added comfort. Portable Bench seat height: 18". Available in Diamond and Perforated metal plank styles. Mounting options are Portable, Surface Mount or Wall Mount. All stainless steel hardware. Inquire for frame and seat colors.

HEAVY-DUTY BENCHES WITH BACK

Style	6'	8'	10'	6'	8'
	Diamond			Perforated	
Portable	77-350	77-360	77-370	77-355	77-365
Surface	77-375	77-385	77-395	77-380	77-390
Wall	77-400	77-410	77-420	77-405	77-415

HEAVY-DUTY BENCHES WITHOUT BACK

Style	6'	8'	10'	6'	8'
	Diamond			Perforated	
Portable	77-450	77-460	77-470	77-455	77-465
Surface	77-475	77-485	77-495	77-480	77-490
Wall	77-500	77-510	77-520	77-505	77-515



77-490



77-505



77-535



77-545

STEEL BENCHES

SAVANNAH BENCH — Premium Collection site bench is comfortable and stylish. UV protected thermoplastic coating provides years of use. 2" x 2" square tube frame bolts together. Bench back design options: **Bow Back** or **Slat Back**. Available in portable and surface mount styles. Seat width: 15". Seat height: 18". Inquire for frame and seat colors.

Bench Style	Bench Length	
	4'	6'
Bow Back	77-530	77-535
Slat Back	77-540	77-545



MILLENNIUM BENCHES — Recycled plastic lumber benches. Available in: bench with back and as flat bench styles. Additional sizes: 2', 4', and 5' lengths. Black frame with 2" x 6" cedar colored slats.

- 77-325 Millennium Bench with back, 6'
- 77-326 Millennium Bench with back, 8'
- 77-327 Flat Millennium Bench 6'
- 77-328 Flat Millennium Bench 8'



77-200

77-205

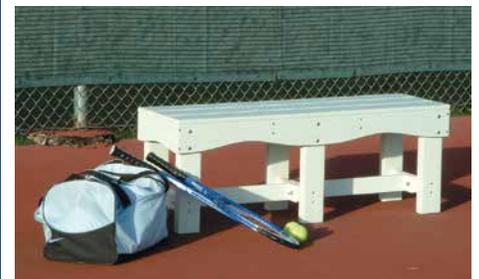
BOARDWALK BENCHES — Recycled plastic lumber designed for your outdoor seating needs. Seat width: 15". Seat height: 18". Inquire for colors.

- 77-200 Boardwalk Bench with back, 6'
- 77-205 Boardwalk Bench without back, 6'



MEMORIAL BENCHES — Recycled plastic lumber, in bench with back style, that can be customized with city logos, company logos, team names, or individual memorials. 2" Engraved Letters or Routed and Color Filled Letters. Custom logos available- inquire. Additional sizes: 2', 4', and 5' lengths. Black frame with 2" x 6" cedar colored slats.

- 77-330 Memorial Bench with back, 6'
- 77-331 Memorial Bench with back, 8'
- 77-332 Engraved Letter option
- 77-333 Routed and Color Filled Letter option



77-320

BACKLESS BENCHES — Rugged recycled plastic benches built for comfort and convenience. Extra wide 19" top to handle busy locker rooms and create more changing space. Ideal for locker room, tennis court or aquatic center. Seat width: 19". Seat height: 17". Specify color: white, green, sand or cedar.

- 77-315 Backless bench, 70"
- 77-320 Backless bench, 47"

Benches



MAINSTAY BENCH — Sophisticated patio bench is constructed from UV Rated Virgin HDPE Resin. Designed to withstand harshest elements, in any outdoor environment. Marine Grade Sunbrella Fabric cushion that attaches to the bench with buckle system ordered separately. No assembly required. Available in 15 colors. Custom bench logos also available- inquire. Size: 23.5"D x 48" L x 33" H. **5 Year Commercial Warranty.**

- 77-335** Mainstay Bench, 48"
- 77-336** Mainstay Bench Cushion, 48"
- 77-337** Mainstay Bench Custom Logos



77-585

PLASTIC BENCHES

COURTSIDE BENCHES — High density polyurethane treated with UV and mildew inhibitors. Sturdy legs can be bolted to any hard surface for permanent installation. Seat width: 15". Seat height: 17". Colors: white or forest green.

- 77-580** Courtside bench, 4'
- 77-585** Courtside bench, 5'



MAINSTAY FLAT BENCH — Flat bench without back. Constructed from UV Rated HDPE Resin. 15" W x 18" H, available in 25" or 52" lengths. Custom bench logos available- inquire. Optional cushions ordered separately. **5 Year Commercial Warranty.**

- 77-340** Mainstay Flat Bench, 25"
- 77-341** Mainstay Flat Bench, 52"
- 77-342** Mainstay Flat Bench Cushion, 25"
- 77-343** Mainstay Flat Bench Cushion, 52"
- 77-344** Mainstay Bench Custom Logos



77-054

LENOX PEDESTAL BENCHES — Aluminum pedestals with durable high density polyethylene bench will not rust or delaminate. Size: 1 1/2" thick x 9 1/2" wide. Colors: white, black, beige, deep blue, gray, charcoal gray, burgundy, teal, black speckle, desert stone or dove stone.

- | | |
|------------------|------------------|
| 77-051 3' | 77-054 6' |
| 77-052 4' | 77-056 7' |
| 77-053 5' | 77-057 8' |



77-265

77-270

FIBERGLASS BENCHES

FIBERGLASS EASYSTACK BENCHES — Fiberglass stackable bench is the perfect choice if you need additional seating around the pool or in the locker room. Dimensions: 18" high x 15" seat width. Colors: yellow, light blue navy blue, white, red, or black. Custom logo, lettering available, inquire.

- 77-260** Easy Stack Bench, 48"
- 77-265** Easy Stack Bench, 72"
- 77-270** Custom logo/lettering



77-064

ALUMINUM BLEACHERS

ALUMINUM BLEACHERS — Heavy-duty movable bleachers utilize 2" x 10" anodized seat planks and 2" x 10" mill finish foot planks. **3-row models-** utilize single foot planks on all rows and **5-row models-** include chain-link guardrail system and use single foot planks on rows two and three and double foot planks on row four. First row seat height is 17".



77-060

Item	Length	Rows	Seating Capacity	Top Seat Height
77-060	15'	3	30	29"
77-061	21'	3	42	29"
77-062	24'	3	48	29"
77-063	15'	5	50	49"
77-064	21'	5	70	49"
77-065	24'	5	80	49"



77-067

PORTABLE BLEACHERS

TIP AND ROLL BLEACHERS — Our Tip and Roll bleachers allow you to easily add additional event seating. Constructed with 2" x 10" anodized aluminum seat planks and double 2" x 10" mill finish aluminum foot planks. Non-marring 5" casters and rubber foot pads protect your floors. 3 Rows. Guard rails not required since top seat height is only 29" high. First row seat height is 17".



Item	Length	Seating Capacity	Top Seat Height
77-066	12'	24	29"
77-067	15'	30	29"
77-068	21'	42	29"
77-069	24'	48	29"



77-095

BANQUET TABLES

ULTRA-LIGHT BANQUET TABLES — High strength aluminum construction of AluLITE banquet tables won't dent, crack, warp, or split apart due to age, heat or moisture. Tables can hold up to 1,600 lbs. and are 50% lighter than most conventional tables. 8' table weighs 44 lbs. and 6' table weighs 35 lbs. 30" width. Table top finishes: silver, walnut, desert tan, or salt/pepper. Leg color: mineral bronze.

77-095 8'
77-100 6'



77-105

OUTDOOR GRILL

PEDESTAL GRILL — 280 square inch cooking surface with 4 adjustable cooking levels. $\frac{3}{16}$ " steel firebox will rotate 360 degrees for convenience. Finish is a non-toxic rust resistant black paint. Support post is 2 $\frac{3}{8}$ " galvanized iron pipe.

77-105 Pedestal grill



78-040

FIBERGLASS MARKET UMBRELLAS — Patented fiberglass pole with solid fiberglass ribs and frame allows the umbrella to handle high wind conditions. Low maintenance versus wood market umbrellas. These six rib hexagonal umbrellas are available in 8¹/₂', 9' and 11' dia. sizes with 1/2" or 3/4" dia. ribs. Includes marine grade Sunbrella fabrics with vent. Premium Sunbrella colors available for additional charge. 1/2" one-piece center pole with manual lift and pin insert. **Standard** market umbrella includes: 1/2" dia. center pole with 1/2" dia. ribs. Pole colors: white, black, wood grain, or champagne. Rib Colors: white, black, teakwood brown, or champagne. **Premier** market umbrella includes: 1/2" dia. center pole with 3/4" dia. ribs. Center pole and rib colors: white, black, or champagne. **Wood Grain** market umbrella includes: 1/2" dia. center pole with 3/4" dia. ribs in wood grain color only. Finial ball on top to match frame color. Umbrella base ordered separately. **3 Year Warranty.**

Item	Model	Size	Pole Dia.	Rib Dia.
78-040	Standard	8.5 ft.	1/2"	1/2"
78-041	Premier	9 ft.	1/2"	3/4"
78-042	Premier	11 ft.	1/2"	3/4"
78-043	Wood Grain	9 ft.	1/2"	3/4"
78-044	Wood Grain	11 ft.	1/2"	3/4"



78-011



78-365

BASTA SOLE™
A Division of Tropitone Furniture Co., Inc.



MARKET UMBRELLAS

PORTOFINO II MARKET UMBRELLAS

Premium quality hexagon shaped market umbrella. Available in 6', 7', 8, and 9' diameter sizes. The Portofino II umbrella uses a 1/2" diameter center pole, with 1/2" x 7/8" extruded aluminum arms, with reinforcements in upper arm and lower arm. Umbrella with 98" standard pole height and manual lift. Pulley Lift umbrellas also available at additional cost. Umbrella includes aluminum frame and center pole, umbrella cover with wind vent, reinforced pocket corners and finial top. Can be used as either free standing or in-table umbrella. Umbrella base ordered separately. Available in 3 grades of fabrics - "B" grade, "C" grade, and "D" grade. Fabric grade selected for umbrella determines final price of umbrella - Inquire. Frame and center pole available in all standard Tropitone finishes.

Umbrella	"B" Fabric	"C" Fabric	"D" Fabric
6'	78-350	78-351	78-352
7'	78-355	78-356	78-357
8'	78-360	78-361	78-362
9'	78-365	78-366	78-367



78-011

UMBRELLAS

TROPITONE UMBRELLAS — Available in the complete array of B and C grade Tropitone fabrics. The contract umbrella is 7¹/₂' in diameter with a manual lift mechanism and push button tilt. Umbrellas have 1/2" diameter aluminum pole. Umbrella base ordered separately.

Umbrella	"B" Fabric	"C" Fabric
7 ¹ / ₂ ' Contract	78-012	78-013



ESSENTIAL MARKET UMBRELLAS

Acrylic fabric with wind vent, 1/2" diameter fiberglass ribs, and 1.50" dia. aluminum center pole. Pole height is 104". Heavy gauge resin parts with pulley-lift system. Umbrella base ordered separately. Frame colors: black, bronze, white, woodgrain, or silver. Available in 22 fabric colors - inquire.

78-800	7 ¹ / ₂ ' octagon	78-815	6 ¹ / ₂ ' square
78-805	9' octagon	78-820	7 ¹ / ₂ ' square
78-810	11' octagon		



PREMIER ALUMINUM UMBRELLAS Acrylic fabric with wind vent and 1/8" square aluminum ribs. Heavy gauge pulley-lift system with 104" center pole height. Umbrella base ordered separately. Frame color: silver mist. Available in 22 fabric colors - inquire.

- 78-850** 7 1/2' octagon **78-865** 6 1/2' square
- 78-855** 9' octagon **78-870** 7 1/2' square
- 78-860** 11' octagon



PINNACLE CANTILEVER UMBRELLAS Heavy duty cantilever umbrella design allows you to have shade without center pole being in the way. Anodized aluminum frame and ribs. Umbrella swivels 360 degrees. Folds into compact vertical position and can be removed for seasonal storage. In-ground anchor for concrete installation or base plate for surface mount ordered separately. Frame color: silver mist. Available in 22 fabric colors- inquire.

- 78-890** 10' sq. **78-900** In-ground anchor
- 78-895** 13' oct. **78-905** Base plate anchor



CABANAS

TRADITIONAL CABANA — Constructed from high density resin, with 3" powder-coated metal frame, and easy-to-clean marine grade fabrics. Full privacy curtains with flame resistant treatment. Miami Dade Wind Rated to meet extreme rooftop environments. Customizable and available in hundreds of color combinations.

- 78-910** 8' x 8' **78-912** 12' x 12'
- 78-911** 10' x 10' **78-913** 14' x 14'



CLASSIC 78-120

SHADE UMBRELLAS

FUNBRELLA SHADE UMBRELLAS — Giant, permanent umbrellas are designed to be resistant to inclement weather and to provide shade in areas where there is none. Internal cable and winch system with removable crank handle for easy lifting. Includes: 4" diameter aluminum pole, aluminum frame, fabric top and one piece ground sleeve. Available in 3 styles: Classic, Palm, and Shark. Sunbrella fabrics available in solid colors or alternating colors.

FUNBRELLA SHADE UMBRELLAS

Size	Style		
	Classic	Palm	Shark
12' Dia.	78-115	•	78-117
20' Dia.	78-120	78-121	78-122

REPLACEMENT FUNBRELLA COVERS

12' Dia.	78-092	•	78-093
20' Dia.	78-094	78-095	78-096



SHARK 78-122



PALM 78-121



78-090



78-105

UMBRELLA BASES

STEEL PLATE UMBRELLA BASES — Low profile steel plate provides appropriate weight and counter balance for large market umbrellas. Pre-drilled holes allow bases to be bolted down. Square plate styles provide increased stability. Used with 1 1/2" diameter umbrella poles. Available with 9" high sleeve for in-table use or 15" high sleeve for free-standing applications. Available in 15 Tropitone colors. Up charge for premium finish colors.

Steel Umbrella Base	9" High	15" Free Standing	Wt.
20" round	78-090	•	55
24" round	78-100	78-101	60
24" square	78-105	78-106	80

ALUMINUM UMBRELLA BASE

— Umbrella base with integral wheels for portability. Available with 1.50" or 2" sleeve that is 8" high (for table use) or 18" high (free standing.) Weight 100 lbs. or 150 lbs. Base color: silver mist.

Sleeve Height	Pole Dia.	100 lb.	150 lb.
8" High	1.50"	78-067	78-072
	2"	78-068	78-073
18" High	1.50"	78-069	78-074
	2"	78-071	78-076



78-085

TROPITONE IN-GROUND SLEEVE — Securely anchors umbrellas in deck or lawn areas. Requires use of a concrete footing for anchor security. Includes: threaded footing for anchor security. Includes: threaded anchor cap and sleeve with drilled collar for lock or bolt installation (lock or bolt not included). Order umbrellas with 12" extra length on center pole to compensate for depth of anchor.

- 78-085** 1 1/2" diameter sleeve
- 78-086** 2" diameter sleeve
- 78-087** 2 1/2" diameter sleeve

Shade Structures



ULTRASHADE SHADE STRUCTURES — Engineered to withstand wind gusts of up to 90 mph with fabric in place and up to 150 mph with fabric removed. Powder coated steel frames are pre-galvanized for long term corrosion resistance. Aircraft quality galvanized cables provide fabric tension and fabric anchorage. Fabrics are mildew and rot resistant and will maintain their color in all weather conditions. Seams are with Gore Tenara UV stabilized thread. Provides 97% UV blockage and 91% shade resulting in temperature reductions of up to 30 degrees. Mesh shade fabric provides free airflow, allowing hot air to escape from under the structure. Available in standard structure styles listed below. Additional styles, sizes, and eave heights available - inquire. **10 Year Warranty.**

Fabric Colors			
Red Shade Factor 94% UV Factor 97%	Laguna Blue Shade Factor 92% UV Factor 95%	Desert Sand Shade Factor 89% UV Factor 92%	Arizona Shade Factor 88% UV Factor 91%
White Shade Factor 85% UV Factor 88%	Rain Forest Green Shade Factor 85% UV Factor 88%	Royal Blue Shade Factor 80% UV Factor 84%	Silver Shade Factor 88% UV Factor 91%
Black Shade Factor 95% UV Factor 98%	Navy Blue Shade Factor 91% UV Factor 94%	Turquoise Shade Factor 83% UV Factor 86%	Yellow Shade Factor 70% UV Factor 84%
Terracotta Shade Factor 84% UV Factor 87%			

Powder Coat Colors										
11 standard colors options. Custom colors available.										
yellow	red	purple	blue	green	brown	grey	black	white	silver	black

HIP RECTANGLE SHADE STRUCTURES

Item	Size	Eave Height
78-400	8' x 10'	8 ft.
78-405	10' x 18'	8 ft.
78-410	12' x 20'	8 ft.
78-415	16' x 20'	8 ft.
78-420	18' x 24'	8 ft.
78-425	20' x 25'	8 ft.
78-430	30' x 40'	8 ft.
78-435	20' x 25'	10 ft.
78-440	20' x 30'	10 ft.
78-445	20' x 40'	10 ft.
78-450	30' x 40'	10 ft.

SQUARE SHADE STRUCTURES

Item	Size	Eave Height
78-500	10' x 10'	8 ft.
78-505	12' x 12'	8 ft.
78-510	14' x 14'	8 ft.
78-515	16' x 16'	8 ft.
78-520	18' x 18'	8 ft.
78-525	20' x 20'	8 ft.
78-530	30' x 30'	8 ft.
78-535	10' x 10'	10 ft.
78-540	12' x 12'	10 ft.
78-545	14' x 14'	10 ft.
78-550	16' x 16'	10 ft.
78-555	18' x 18'	10 ft.
78-560	20' x 20'	10 ft.
78-565	30' x 30'	10 ft.



78-130

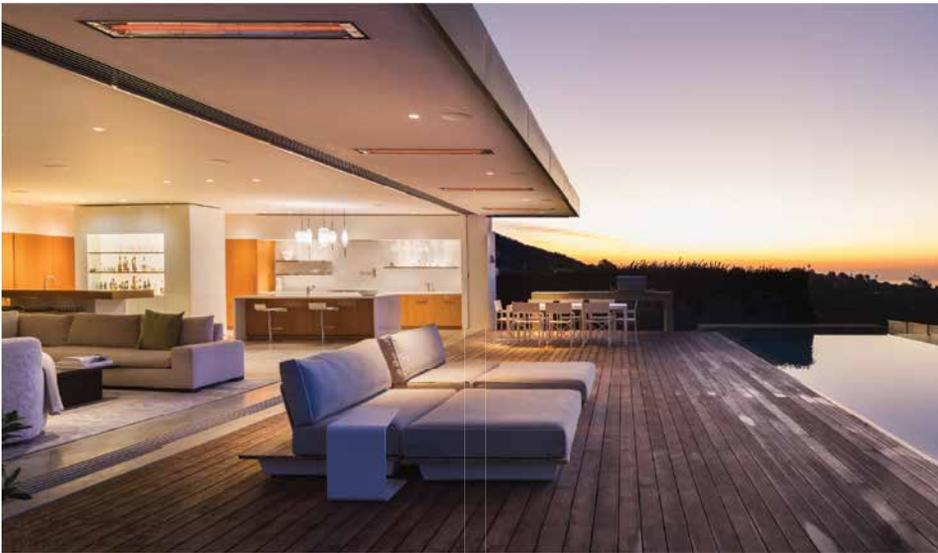
PORTABLE SHELTERS

PORTABLE SHELTERS — Sets up in less than 60 seconds. Aluminum telescoping legs extend and snap into place. No tools required. Folds compactly for easy storage. Excellent for swim meets, tennis matches, and parties. Side walls, clear panels, carrying bags, and custom lettering optional. Red, blue, black, white, and custom colors available.

- 78-125 8' x 8'
- 78-130 10' x 10'
- 78-135 10' x 15'
- 78-140 10' x 20'



78-130



Infratech heaters bring indoor comfort to an outdoor space! Infratech heating systems are made from recyclable materials and operate with zero greenhouse emissions, odors or ultraviolet light. Infrared or radiant energy is the most practical way to add warmth to spaces like patios, terraces, verandas, enclosed areas, or any indoor or outdoor setting where heated air cannot easily be contained and re-circulated.

FLUSH MOUNT INSTALLATION — Infratech's flush mount installation option has long been a customer favorite among the interior designers, architects and engineers who develop today's most sought-after commercial and residential properties. Heaters can be flush mounted with the edges exposed, or can be partially covered by drywall, plaster, stucco, or a tongue-in-groove wood ceiling treatment. Flush mounting is a great choice for rooms with flat ceilings and will not disrupt a space's structural or aesthetic design. Please note, heaters cannot be flush mounted on a ceiling that is sloped or pitched. Please reach out to our customer service team to review all available options.



SOLID STATE CONTROLS — Solid State controls are an ideal solution for commercial properties of all sizes. Enjoy efficient ease of use with a system to meet the needs of any space, from small outdoor swim clubs and patios to hotels and resorts. Zone heating capabilities let you control one or more heaters to heat specified target areas within a large-scale space on a single touch. An integrated timer function ensures that your staff never has to remember to turn on the heating system off at the end of the day. The Solid State controller (with or without optional timer) work together, and are built on a project-specific basis. The packages come with electrical wiring diagrams provided for each installation. Relay panels are NEMA 4 rated. **UL Listed. 3 Year Warranty.**



SOLID STATE CONTROLS



SOLID STATE RELAY PANEL



INFRARED HEATERS & CONTROLS

SL-SERIES — Slimline Single Element Heaters are a sleek, streamlined single element heater are ideal for surface mount applications up to 10 feet. Features modern styling, brushed stainless steel trim, narrow profile, and a T-slot for flexible mounting options. Choose from 3,000 watt or 4,000 watt capacities. Available in durable anodized aluminum housing finishes. Silver and our all-black Slimline Shadow™ are capable of withstanding years of outdoor use.



CD-SERIES — Dual-element fixtures provide concentrated heat for larger scale applications in high visual impact locations. Designed for mounting heights of 7-12 feet. Features durable 304 stainless steel construction, recessed installations, and inset mounting brackets that create a "floating" effect when mounted. Choose from 3,000-6,000 watt and 208-480 volt capacities. Typically installed with custom controls, to vary the electric load for comfortable heat in a wide range of conditions. May also be installed with Duplex/Stack Switches for effectively a half-power or full-power option. Choose from brushed stainless steel or optional powder coated colors.



Item	Length	Watt Capacity
78-206	29.5"	1600w
78-207	42.5"	2400w
78-208	63.5"	3000w
78-209	63.5"	4000w



Item	Length	Watt Capacity
78-210	33"	3000w
78-211	39"	4000w
78-212	39"	5000w
78-213	61.25"	6000w

Trash Containers



79-110

RECYCLED PLASTIC TRASH CONTAINERS

HEX WASTE RECEPTACLE — Recycled plastic lumber in hexagonal shape dresses up your old 55 gallon drums. Use for indoor or outdoor locations. Size: 34" H x 31" dia. Ships fully assembled. Colors: cedar/green or cedar/brown.

79-110 Hex waste receptacle



JUMBO WASTE RECEPTACLE — 60 gallon rotationally molded trash receptacle with recycled lumber slats. Includes: liner, stainless steel hardware and hinges. Side panels can be customized with logos. Offered with an ashtray top panel, or with matching plug, in place of ash tray.

79-112



79-122

SLANT TOP RECEPTACLE — Recycled plastic lumber slats with granite textured molded top. Includes hinged lid, locks, and heavy duty liner. Choice of recycling graphics: Trash, Plastic Bottles, Aluminum Cans, or Paper. Colors: Oatmeal or Gray Granite. Choice of 12 different slat colors. Fully assembled. Also available as a Recycling Center - inquire

79-122 Slant top receptacle



79-130

RECYCLING CENTER — Offers easiest way to accommodate recycling. Available as 2 barrel, 3 barrel, or 4 barrel units. Ships fully assembled with cedar, gray, or hunter green recycled plastic lumber slats, and brown post with white/green or beige/green signs. Specify signage needs: Plastic, Trash, Paper, Cans, Glass or others as required.

79-125 Recycling Center, 2 barrel

79-130 Recycling Center, 3 barrel

79-135 Recycling Center, 4 barrel



79-075
79-080



79-097

POLYETHYLENE TRASH CONTAINERS

GLUTTON TRASH CONTAINER — Rugged polyethylene base and plastic top available with or without doors. 56 gallon capacity. Size: 25½" W x 22¾" D x 31½" H. Base colors: brown and cream; top colors: brown and red.

79-075 56 gallon base

79-080 Hooded top with doors

79-085 Hooded top without doors

MARSHAL TRASH CONTAINERS — Rugged polyethylene base and top combines good looks and fire safety. Factory Mutual and California State Fire Marshal approved for fire safety. 15 gallon size: 15¾" dia. x 36½" high. 25 gallon size: 18" dia. x 42" high. Rigid liner ordered separately. Colors: beige, brown, and cream.

79-096 15 gallon

79-097 25 gallon

79-098 Rigid liner, 15 gallon

79-099 Rigid liner, 25 gallon



LANDMARK SERIES TRASH CONTAINER

— Large opening funnels refuse into container and out of view. Hood is hinged and includes a stay open trap for easy access to rigid liner. Container color: Sable. Size: 26" square x 30½" H (35 gal.) Includes Rigid Liner. Aggregate panels ordered separately. Panel Colors: Brownstone, Riverrock, and Coral.

79-155 35 gallon

79-160 Aggregate panels, set of 4

79-165 Rigid liner for 35 gallon



MAINSTAY ROUND TRASH BIN — Stylish round trash receptacle is made from high quality HDPE resin. 40 gallon capacity with trash liner. Available in 15 colors. Custom logos available-inquire. **5 Year Commercial Warranty.**

79-166

79-167 Mainstay Custom Logo



STEEL TRASH RECEPTACLES

JACKSON TRASH RECEPTACLE — 36-gallon powder-coated steel trash receptacle. Lid and liner included. Receptacle is portable or surface mountable.

79-230



80-201

80-202

80-203

WATER STATIONS

WATER BOTTLE FILLER STATIONS — Designed to be a convenient station to refill reusable water bottles with filtered water. Polyester powder coat finish, aluminum gravity filler spout, push-button valve and replaceable in-line water filter. Available in two styles: **Single Pedestal** with optional surface mounting plate for new construction and **Wall Mount** with optional support with mounting plate (recommended). Chiller not included. Colors: inquire.

Style	Single Pedestal	Single Pedestal with Drinking Fountain	Wall Mounted
Water Bottle Filler Station	80-201	80-202	80-203
Support w/ Mounting Plate	.	.	80-204
Mounting Plate	80-205	80-205	.
Replacement Filter	80-206	80-206	80-206



80-220

80-230

80-250

80-240

OUTDOOR SHOWERS

OUTDOOR SHOWERS — Versatile outdoor showers offer various combinations of shower, foot shower, and wheelchair accessible showers to best fit your facility needs. Designed for recreational areas, beaches or water parks. The outdoor shower helps maintain a cleaner facility and provide user comfort. Column is a one piece steel pipe with powder coat finish. Timer controlled water control valves. Available in bury in-ground or surface mount styles. Optional hose bib available in three styles: compression type for easy access to hose, key type hose bib for access with those who have key only, or compression type hose bib with vandal-proof locking cover. Inquire for stainless steel option. Color: blue.

Style	Surface Mount	In-Ground
Shower/Foot Shower	80-220	80-225
Dual Shower/Foot Shower	80-230	80-235
Shower/Foot Shower Wheelchair Accessible	80-240	80-245
Shower/Foot Shower Drinking Fountain	80-250	80-255
Hose Bib Option Styles		
80-260	Compression type	
80-265	Key type	
80-270	Locking cover w/recessed hose bib	



POOL SHOWER — Stainless steel free standing showers are ideal for public facilities. ADA compliant. Installs on any outdoor surface. Connects to 1/2" water supply line. Includes anchor bolts. Available with hot and cold valve or cold water only valve. 6" CPB shower head. 82" H.

Style	Cold Water	Hot & Cold Water
Shower Only	80-280	80-300
Hose Bib	80-285	.
Hose Bib & Foot Shower	80-290	.
Hose Bib & Drinking Fountain	80-295	.



80-001

CLOCKS & THERMOMETERS

LINCOLN WALL CLOCK — Durable plastic lens with high impact case features easy to read numbers. 12" diameter. AA battery not included.

80-001



81-043

SR SMITH PORTABLE AQUATIC LIFTS

PAL PORTABLE AQUATIC LIFT — Completely portable, free-standing PAL is the perfect accessory for any commercial aquatic facility. Maximum deck-to-water level distance is 12". In addition to the standard configuration, the PAL lift is also available in Hi/Lo and Spa versions. Features LiftOperator® intelligent controller, 240° rotation ensures a safe transfer. Powder coated stainless steel and aluminum construction. Powered by a 24-volt rechargeable battery. Includes: Anchor Secure-it Kit which allows the lift to be fixed to the deck without the need for bonding, battery, charger, battery console cover, water resistant hand control, footrest, seatbelt assembly and armrests. Lifting capacity: 300 lbs. **ADA Compliant.**

Model	Item	Set Back
PAL Portable Aquatic Lift	81-043	16"-24"
PAL Kit includes cover & spineboard attachment	81-226	16"-24"
PAL Spa	81-229	16"-24"
PAL Hi/Lo	81-225	16"-28"



81-740

PAL 2 PORTABLE AQUATIC LIFT — PAL2 is an easy to move fixed portable lift that features the LiftOperator® intelligent controller. 240° rotation ensures a safe transfer. Powder coated stainless steel and aluminum construction. Includes: Anchor Secure-it Kit which allows the lift to be fixed to the deck without the need for bonding, battery, charger, battery console cover, water-resistant hand control, footrest and seat belt assembly. Lifting capacity: 300 lbs. **ADA Compliant.**

Model	Item	Set Back
PAL 2 Aquatic Lift	81-740	16"-24"



81-220

SR SMITH SEMI-PORTABLE LIFTS

SPLASH AQUATIC LIFT — The Splash is a fixed lifting system that features the LiftOperator® intelligent controller. 344° rotation ensures a safe transfer. Powder coated stainless steel and aluminum construction. Splash Lifts are available in Hi/Lo, Spa, and Extended Reach. Includes Stainless steel anchor with cap, battery, charger, battery console cover, water-resistant hand control, footrest, armrests, seat belt assembly. Lifting capacity: 400 lbs. (300 lbs. on ER models).

Model	Item	Set Back
Splash Lifts		
Splash Lift	81-220	16" - 29"
Splash Kit with mast cover & caddy	81-223	16" - 29"
Splash Spa Lifts		
Splash Spa	81-756	16" - 29"
Splash Hi/Lo Lifts		
Splash Hi/Lo	81-221	16" - 50"
Splash Extended Reach Lifts		
Splash Extended Reach (ER)	81-231	16" - 46"
Splash ER Kit with mast cover & caddy	81-766	16" - 46"
Splash ER Hi/Lo	81-232	16" - 50"



45-033

Please contact us to determine which lift is right for you. Variation Descriptions:

Hi/Lo - Useful for facilities that have both in-ground pools and raised spas.

Spa - Designed for raised spas.

Extended Reach - For use on pools with a gutter configuration requiring a longer reach.

ER Hi/Lo - For facilities that have both in-ground pools and raised Spas, requiring a longer reach than the Splash Hi/Lo.



aXs2 AQUATIC LIFT — The aXs2 is a low-profile pool lift that is an ideal access solution for community and hospitality swimming pools. The compact design requires minimal deck space. The aXs2 features LiftOperator® intelligent controller, integrated armrests, sturdy and generous rotomolded seat. 360° rotation ensures a safe transfer area. Includes: LiftLock2 stainless steel anchor with cap, battery, charger, battery console cover, water-resistant hand control, footrest, armrests, seat belt assembly. Can be purchased with or without Caddy. Lifting capacity: 300 lbs. Colors: taupe, slate, or gray mist. **ADA Compliant.**

Also available without anchor assembly or round post for retrofits.

Model	Item	Set Back
aXs2 Pool Lift w/ Anchor	81-295	12"-31"
aXs2 w/ Anchor & Caddy	81-296	12"-31"



81-818

MULTILIFT2 AQUATIC LIFT — Updated flange mounted pool lift adds significant increases to minimum and maximum setback clearances. Maximum deck-to-water level dimension is 14.5". Powder coated stainless steel and aluminum construction. Includes: LiftOperator® Intelligent Control System, battery, charger, battery console cover, water resistant hand control, footrest, seat assembly, armrests, and retrofit anchor jig. Colors: taupe, slate, or gray mist. Lifting capacity: 350 lbs. **California CEC and ADA Compliant.**

New Construction Guideline - if you need jig and anchor ahead of pool lift order 81-789 and specify timing.

Model	Item	Set Back
multiLift2 w/ Anchor	81-818	12.5" - 17"
multiLift2 w/o Anchor	81-819	12.5" - 17"



SR SMITH BATTERIES & CHARGERS

SR Smith pool lifts are powered by a 24 volt, rechargeable battery. LiftOperator batteries are ONLY compatible on lifts with the LiftOperator Intelligent Controller. If you have an older Linak battery please contact us to upgrade. BC versions of batteries and chargers are CEC compliant and must be ordered for CA orders. Please contact our customer service department if you need help ordering.

81-209 LiftOperator Battery

81-299 LiftOperator Battery, BC version



81-836 LiftOperator Battery Charger

81-301 LiftOperator Charger, BC version



SR SMITH ANCHORS

SECURE-IT KITS — Quickly and easily secures pool lift to the deck per the ADA "fixed" pool lift requirement. The PAL/PAL2 kit offers the flexibility of being easily removed from the deck. The Splash kit is for use on the round post only and prevents the lift from rotating in the anchor socket.

81-230 Secure-it Kit



LIFTLOCK2 ANCHOR — Locking square deck anchor for Splash and aXs2 models. Made of high cast type 316L stainless steel. **ADA Compliant.**

81-270 LiftLock2 Anchor Assembly

81-271 LiftLock2 Replacement Cap



81-040

SR SMITH LIFT COVERS

Protect your investment with all-weather covers.

Covers	PAL Series	Splash	aXs2	ML300
Lift Cover	81-040	81-040	81-303	81-302
Seat Cover	81-297	81-297	81-297	81-297
Mast Cover	▪	81-260	▪	▪
LiftOperator Cover	81-837	81-837	81-837	81-837



81-303



81-260

81-297



81-837

Aquatic Accessibility



Aqua Creek has in-house powder coating capabilities that can ensure effective quality control while limiting lead times. While Aqua Creek advertises a few basic powder coat colors, the truth is there is almost an unlimited color palette of powder coat colors to choose from. This opens up the ability to provide special colors for commercial facilities like schools or fitness centers to have their equipment better represent who they are.

Our standard powder coat color for our lifts is cloud white but we also offer a beige or grey at no extra cost. The available seat and footrest colors are blue as standard, and more neutral colors of tan, gray and white to blend in with almost any powder coat color.



81-905

AQUA CREEK PRO SERIES LIFTS

RANGER 2 POOL LIFT — Non-rotating lift that glides you into the pool in a single out-and-down motion. This seating position, and the smooth motion into the pool, gives the user a greater feeling of security. Seat position is field reversible. The low profile and small footprint make it an incredibly solid and durable lift. Features stainless steel construction with powder coat finish. Includes 24v rechargeable battery, wall mount charger, and a hand-held controller. Anchors for any application are order separately. Specify color when ordering. Lifting capacity: 350 lbs. **ADA Compliant & UL Certified**

Item	Set Back	Deck-to-Water Level
81-905	14.5" - 19"	Up to 14"



81-902

ADMIRAL POOL LIFT — Similar to the Ranger 2, but offers an increased 450 pound weight capacity adjustable seat height and the ability to adjust the base plate as needed to accommodate larger water drafts and setbacks. The Admiral is a non-rotating lift that glides you into the pool in a single out-and-down motion. This seating position, and the smooth motion into the pool, gives the user a greater feeling of security. Seat position is field reversible. Features stainless steel construction with powder coat finish. Includes 24v rechargeable battery, wall mount charger, and a hand-held controller. Anchors for any application are order separately. Specify color when ordering. Lifting capacity: 450 lbs. **ADA Compliant & UL Certified**

Item	Set Back	Deck-to-Water Level
81-902	14.5" - 19"	Up to 8"

AQUA CREEK POOL PRO SERIES PARTS

Item	Description
81-948	Head Rest
81-908	Seat Belt
81-909	Chest Strap
81-910	Linak Battery
81-911	Linak Battery Charger
81-949	Pull Out Leg Rest
81-963	Adjustable Height Seat Pole
81-954	Vito Battery
81-955	Vito Battery Charger
81-965	Vito Control Box
81-966	2-Button Handset
81-920	Solar Charging Station
81-904	Lift Transport Cart
81-915	Standard Anchor 4" Inserts
81-968	Anchor for Paver 8" Inserts
81-897	Quick Attach Anchor
81-970	Anchor for Wood
81-906	Lift Cover - Blue
81-964	Lift Cover - Tan
81-918	ADA Lift Available Sign



81-864

AQUA CREEK ROTATIONAL LIFTS

SCOUT EXCEL POOL LIFT — Whisper-quiet 360-degree rotation in both directions, adjustable seat height and foot rest, an impressive 375 lb. weight capacity. The versatile design allows you to set the lift further back from the pool, while simultaneously clearing spa walls and pool curbs up to 26" high. Features stainless steel construction with powder coat finish. Includes 24v rechargeable battery, wall mount charger, and a hand-held controller. The base of the lift fits into a standard 1.90" x 6" stanchion anchor, and adapters and adapters can be purchased for the lift to fit many other anchors that might already be in your pool deck. Specify color when ordering. Lifting capacity: 375 lbs. **ADA Compliant & UL Certified**

Item	Set Back	Deck-to-Water Level
81-864	7" - 44"	Up to 10"

AQUA CREEK SCOUT EXCEL PARTS

Item	Description
81-948	Head Rest
81-908	Seat Belt
81-909	Chest Strap
81-910	Linak Battery
81-911	Linak Battery Charger
81-949	Pull Out Leg Rest
81-921	Cycle Attachment
81-954	Vito Battery
81-955	Vito Battery Charger
81-956	Vito Control Box
81-957	4-Button Handset
81-925	Solar Charging Station
81-863	Lift Transport Cart
81-958	Standard Anchor 1.9" ID x 10" Deep
81-959	Anchor for Paver
81-960	Anchor for Wood
81-961	Anchor Semi-Recessed, Concrete
81-952	Lift Cover - Blue
81-953	Lift Cover - Tan
81-918	ADA Lift Available Sign



81-935

AQUA CREEK MIGHTY 400 — With a whisper quiet 360 degree rotation in both directions and a simple push button operation, enjoying a day at the pool doesn't have to be so daunting. With the longest reach of any of our lifts, the Mighty is also available with pedestal attachments to increase clearances. This type of versatility makes the Mighty 400 an ideal option for almost any situation. Features stainless steel construction with powder coat finish. Includes 24v rechargeable battery, wall mount charger, and a hand-held controller. This lift works on in ground and some partially raised pools and spas. To see if this lift works with your pool, visit our website and download the application guide for this product, or contact our customer service team. This lift can also be anchored to concrete or paver decks. Anchors sold separately. Lifting capacity: 400 lbs. **ADA Compliant & UL Certified**

Item	Set Back	Deck-to-Water Level
81-935	10" - 44"	Up to 12"



81-940

AQUA CREEK MIGHTY 600 — Meet the Mighty 600, a powerhouse lift that can accommodate almost any user effortlessly. Aqua Creek's strongest lift with a robust 600 pound weight capacity, strength does not compromise versatility for the Mighty 600. With a seat allowing 4" of additional height adjustment, a 360 degree rotation in either direction and the longest reach of any of our lifts, the Mighty provides accessibility solutions with greater water drafts and setbacks up to 44". Includes 24v rechargeable battery, wall mount charger, and a hand-held controller. This lift works on in ground and some partially raised pools and spas. To see if this lift works with your pool, visit our website and download the application guide for this product, or contact our customer service team. This lift can also be anchored to concrete or paver decks. Anchors sold separately. Lifting capacity: 600 lbs.

Item	Set Back	Deck-to-Water Level
81-940	10" - 44"	Up to 10"



81-919 Mighty 400 & 600 Solar Charger
81-920 Mighty Voyager Solar Charger

Note: Please visit lincolnaquatics.com for additional parts and options.



81-945

AQUA CREEK MIGHTY VOYAGER — Everyone can enjoy a day at the pool, and it doesn't have to involve drilling into your deck to make it happen. With a unique and portable design that doesn't require extensive mounting, users are able to move the lift as needed making it the perfect option for homeowners, facilities with multiple pools, and those who are looking for a convenient or less permanent solution. Achieved by utilizing a sand ballast system. The 15 inch opening allows for easy filling and removal of sand when necessary. Adding to the functionality of this lift is a whisper-quiet 255 degree rotation, making pool entry seamless. The Mighty Voyager is also available in your choice of accent colors. Choose from our standard color options, or ask about customized color options. This lift can work on most pool decks for in-ground and some partially raised pools and spas. US Federal ADA requirements indicate the lift needs to be mechanically affixed to the pool deck. An ADA Fixing Kit is included with the lift. To see if the Mighty Voyager works on your pool, visit our website and download the application guide, or contact our customer service team. Lifting capacity: 325 lbs.

Item	Set Back	Deck-to-Water Level
81-945	Up to 32"	Up to 12"



AQUA CREEK MIGHTY SERIES COVERS

Item	Description
81-946	Lift Cover - Blue
81-947	Lift Cover - Tan



TOLL FREE (800) 223-5450

Aquatic Accessibility



SPECTRUM SEMI-PORTABLE LIFTS TRAVELER BP500 POOL LIFT

The Traveler BP500 is a wireless battery powered lift that is self operable from the deck and water with a robust operating system. The Traveler BP500 can accommodate most decks and gutter setbacks for both in-ground and above ground pools. 90 lifts per battery charge. Stainless steel construction (electropolished 304L grade). Coated with Spectra Shield® for maximum corrosion resistance. Easy to install, even into existing concrete decks. Spacious seat with excellent lumbar support designed for ease of transfer. Rotationally and vertically powered with 360° continuous rotation. Quiet and stable operation. Includes: 24 volt battery and charger, 2 watertight wireless remote controls, stabilizer bar for ease of transferring, Adjustable swing out footrest, Flip-up armrests with non-slip grip, padded headrest & seatbelt. Accommodates setback of 6" to 33" and a water draft up to 12". Capacity: 500 lbs. **ADA Compliant.**

Model	Item	Anchor Kit	Set Back	Deck-to-Water Level
Traveler	81-300	81-314	6"-33"	Up to 12"



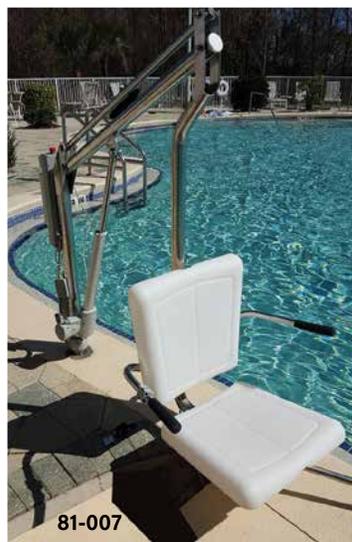
81-300



81-008

MOTION TREK BP 350 POOL LIFT — Features wired handset. Self-operable. 90 lifts per battery charge. Stainless steel construction (electropolished 304L grade). Coated with Spectra Shield® for maximum corrosion protection. Stabilizer bar significantly improves lift stability during transfer. Rotationally and vertically powered with 360° continuous power rotation. Accommodates setback of 6" to 27" and a water draft up to 12". Easy to install, even into existing concrete decks. Capacity: 350 lbs. **ADA Compliant.**

Description	Item	Set Back
Motion Trek BP 350	81-007	6" - 27"
Motion Trek BP 350 with Anchor	81-005	6" - 27"
Motion Trek BP 350 Deluxe	81-008	6" - 27"
Motion Trek BP 350 Deluxe with Anchor	81-006	6" - 27"
Motion Trek Cover	81-068	



81-007



81-009

MOTION TREK BP 400 POOL LIFT — Features wired handset. Self-operable. 90 lifts per battery charge. Stainless steel construction (electropolished 304L grade). Coated with Spectra Shield® for maximum corrosion protection. Stabilizer bar significantly improves lift stability during transfer. Rotationally and vertically powered with 360° continuous power rotation. Accommodates setback of 6" to 27" and a water draft up to 12". Easy to install, even into existing concrete decks. Capacity: 400 lbs. **ADA Compliant.**

Description	Item	Set Back
Motion Trek BP 400	81-010	6" - 27"
Motion Trek BP 400 with Anchor	81-009	6" - 27"
Motion Trek BP 400 Deluxe	81-012	6" - 27"
Motion Trek BP 400 Deluxe with Anchor	81-011	6" - 27"
Motion Trek Cover	81-068	



81-011



81-016

HORIZON BP 450 — The Horizon 450 and 450 deluxe battery powered lifts are self-operable from the deck and water. With a robust operating system, these lifts can accommodate a wide variety of decks and gutter setbacks for both in-ground and above ground pools. Features include 450 pound lifting capacity, stainless steel construction, 90 lifts per battery charge, rotationally and vertically powered with 360° continuous power rotation. Deck-to-water level up to 12". Includes 24 volt battery and charger, 2 watertight wireless remote controls, flip-up armrests with non-slip grip, padded headrest (deluxe model), adjustable footrest and seatbelt. Anchor sold separately. Capacity: 450lbs. **ADA Compliant.**

Description	Item	Set Back
Horizon BP 450	81-016	3" - 33"
Horizon BP 450 Deluxe	81-017	3" - 33"

Item	Description
81-314	Anchor kit, 6", 1.9" OD
81-310	Lift Cover
31-304	Warner Linear Battery
81-305	Battery Charger
81-077	Handset



81-013

SPECTRUM PORTABLE POOL LIFTS PORTABLE MOTION TREK BP 300

The Portable Motion Trek BP 300 Deluxe is an ADA compliant battery powered lift that is self-operable from the deck and the water with a robust operating system. This portable lift requires no anchor and is moveable and easy to operate. Features wired handset that is self operable from the deck and the water. With up to 90 lifts per battery charge. All stainless steel construction (electropolished 304L grade) that is coated with Spectra Shield® for maximum corrosion protection. Stabilizer bar significantly improves lift stability during transfer. Spacious seat with excellent lumbar support designed for ease of transfer. Flip-down arm rests for ease of transfer. Rotationally and vertically powered with 360° continuous power rotation. Quiet and stable operations. Capacity: 300 lbs. **ADA Compliant.**

Description	Item	Set Back
Portable Motion Trek BP 300	81-013	2" - 23"
Portable Motion Trek BP 300 Deluxe	81-014	2" - 23"
Portable Lift Cover	81-072	



81-072



81-126

PENTAIR AQUATIC LIFTS

AQUATRAM 90+ POOL LIFT — Choose the only ADA Compliant lift that's backed by the world's #1 manufacturer of swimming pool equipment. When you install an AquaTRAM 90+ lift, you provide safer, easier swimming pool access for swimmers with physical disabilities. The AquaTRAM 90+ is one of the most versatile lifts available. Features 90° rotation to the left and right for easy access and improved reach to clear spa benches and most gutter types. Available with or without square (quickset) or round anchor options. Inquire for additional anchor options and sleeves that will fit a wide variety of anchors. The durable powder coated stainless steel construction will withstand harsh pool settings. Deck-to-water level up to 14". Includes: flip-up armrests, adjustable footrest, lap belt, water resistant remote, 24v battery and charger. Capacity 400 lbs. **ADA Compliant.**

Description	Item	Set Back
AquaTRAM 90+ w/ Square Anchor	81-126	16" - 36"
AquaTRAM 90+ w/o Square Anchor	81-127	16" - 36"
AquaTRAM 90+ w/ Round Anchor	81-128	16" - 36"
AquaTRAM 90+ w/o Round Anchor	81-129	16" - 36"

Item	Description
81-130	Lift Cover
81-131	Transport Cart
81-132	Solar Charging Kit



ADA COMPLIANT LADDERS

AQUATREK2 ADA LADDERS — Specifically modified to meet the ADA standard for 2nd entry method requirements for inground pool steps and above ground pool steps. Ideal for long term placement pool access, handicap access and an ADA secondary access point. The AquaTrek2 ADA pool ladder system has a 600 pound weight capacity and a full 12 inch tread depth. Both side screens included. Available in 5, 6, or 7 tread (step) models. This unit is built for heavyweight durability but maintains portability. The 30-inch wide treads provide a comfortable walking area. The reinforced siderails provide strength and stability for use in a commercial pool. Each tread comes with a nonslip safety surface in two colors, yellow and black. The AquaTrek2 Ladder is removed for automatic pool cleaners, retractable pool covers and solar blankets. **1 Year Warranty. ADA Compliant.**

- 81-290** AquaTrek2 ADA ladder, 5 step
- 81-291** AquaTrek2 ADA ladder, 6 step
- 81-292** AquaTrek2 ADA ladder, 7 step



BOZEMAN ADA THERAPY LADDERS

Allows you to provide a gentle sloping means of access into your pool for those who require a little extra help. Each ladder is custom designed for your facility needs. Includes: 1.50" dia. handrails, 4" wheels for ease of transport and poly netting provided under the stairs and sides to avoid entrapment. Weight capacity 400 lbs. Requires 2 deck anchors, ordered separately. **ADA Compliant.**

- 81-490** ADA Ladder, 3-step
- 81-491** ADA Ladder, 4-step
- 81-492** ADA Ladder, 5-step
- 81-493** ADA Ladder, 6-step
- 81-020** Compression anchor, 1.50" ID
- 81-021** Compression anchor cap
- 81-038** Spanner wrench
- 81-023** Anchor cap removal key



81-475

AQUA STEP ADA 24" LADDERS — Features: 24" wide stairs, shielded treads, extended handrails and 600 lb. weight capacity. Includes: deck anchors and bolts. Specify desired riser height 5", 6.5" 7", 7.5", 8" or 8.5". Safety Side Guard option, set of 2 side panels, ordered separately with new ladder. **Limited Lifetime Warranty on frame. Meets the new ADAAG Guidelines.**

- 81-465** Aqua Step ADA 24", 4-Step
- 81-470** Aqua Step ADA 24", 5-Step
- 81-475** Aqua Step ADA 24", 6-Step
- 81-480** Aqua Step ADA 24", 7-Step
- 81-485** Aqua Step ADA 24", 8-Step
- 81-185** Safety Side Guard Option, set of 2



Custom Platform

AQUA STEP REPLACEMENT PARTS

- 81-190** Custom platform
- 81-202** Shielded ADA tread, 24"
- 81-191** Shielded tread, 30"
- 81-194** Replacement ADA tread, 24"
- 81-199** Replacement tread, 30"
- 81-200** Replacement safety strips, each
- 81-205** Replacement anchor bolts, set of 2
- 81-210** Replacement hand knobs, set of 2



Safety Side Guards

AQUA STEP SAFETY SIDE GUARD

— Can be added to your existing Aqua Step Ladder or purchased as replacement part. Prevents swimming under ladder. Sold as each panel.

4-5-Step	6-Step	7-Step	8-Step
81-195	81-196	81-197	81-198



81-178

THERAPY LADDERS

AQUA STEP ELITE LADDERS — High density polyethylene ladder is lightweight yet designed for commercial use. Extra wide treads allow pool users to enter and exit the water without the need to go backwards. Handrails are aluminum reinforced fluted PVC. Quick release mounting system allows the step to easily be detached from the pool deck. For some gutter applications a custom deck platform may be required to ensure a proper fit. Pool steps are custom fit to the dimensions of your pool. Measurement Guides are required to assure a proper fit. Visit our web site for a Measurement Guide or call to have one e-mailed to you. **2 Year Warranty.**



81-400
81-191
81-195

AQUA STEP 30" LADDERS — Features 30" wide stairs with a 300 lb. weight capacity. Specify desired riser height: 5", 6.5", 7.5", 8.5", 9" or 9.5". Safety Side Guard option, set of 2 side panels, ordered separately with new ladder. Includes: deck anchors and bolts. **2 Year Warranty.**

- 81-173** Aqua Step 30", 4-Step
- 81-178** Aqua Step 30", 5-Step
- 81-182** Aqua Step 30", 6-Step
- 81-189** Aqua Step 30", 7-Step
- 81-193** Aqua Step 30", 8-Step
- 81-185** Safety Side Guard Option, set of 2

AQUA STEP HD 30" LADDERS — Features 30" wide stairs with a 450 lb. weight capacity. Specify desired riser height: 5", 6.5", 7.5", 8.5", 9" or 9.5". Safety Side Guard option, set of 2 side panels, ordered separately with new ladder. Includes: deck anchors and bolts. **Limited Lifetime Warranty on frame.**

- 81-380** Aqua Step 30", 4-Step
- 81-400** Aqua Step 30", 5-Step
- 81-420** Aqua Step 30", 6-Step
- 81-440** Aqua Step 30", 7-Step
- 81-460** Aqua Step 30", 8-Step
- 81-185** Safety Side Guard Option, set of 2



82-010



82-011

PVC POOL ACCESS CHAIR — Aqua Creek's PVC pool access chairs are an economical choice for providing easier ADA access for sloped entries and ramps. The lightweight, durable construction makes these chairs an ideal solution for your facility. The PVC material is not only affordable and lightweight but resists corrosion. Our PVC pool access chairs are also great for use in locker rooms, showers, and other areas around your aquatic facility. Choose from three different sizes with mesh seats. These are only available in white PVC with blue mesh seat.

82-011 Pool Access Chair, 18" wide seat, 300 lb. capacity

82-012 Pool Access Chair, 21" wide seat, 350 lb. capacity

82-013 Pool Access Chair, 24" wide seat, 400 lb. capacity

WATER WHEELCHAIRS

MOBILE AQUATIC CHAIR — SR Smith's MAC chair was built specifically for use in aquatic environments with a powder coated stainless steel frame to resist corrosion and two swing away armrests for easy transfers. Rigid roto-molded plastic seat aids in user transfers by providing a stable platform that can be used for transfer support. Front and rear stabilizer wheels eliminate the tendency of a chair to pitch forward or back while going down/up the ramp. Designed for water or shower use. Includes seat belt. Weight capacity: 300 lbs.

82-010



82-010



Water Exercise Equipment



82-135

WATER EXERCISE EQUIPMENT

TIDALWAVE POOL BIKE — Adjustable resistance settings, make it easy to adjust bike to your capabilities and exercise levels. Multiple bikes can be used for in water exercise classes. Tension knob is located near seat post, so you can adjust fitness level while you are riding the bike. Includes: adjustable seat column, adjustable handlebars, collapsible frame for easy storage, and scratch resistant wheels for ease in transporting the bike. Recommended pool depth is 3 ft. to 5 ft. deep. Optional semi-recumbent seat or sport seat ordered separately. Stainless steel frame with powder coat finish. Standard colors: yellow, green, or pink. Additional non-standard colors available for orders of 10 or more. Bike weighs only 55 pounds. Weight capacity: 300 pounds. Size: 54¹/₂" L x 21¹/₂" W x 53³/₄" H.

82-135 Tidalwave Pool Bike

82-140 Tidalwave Semi-Recumbent Seat

82-145 Tidalwave Sport Seat



82-150

PROWAVE POOL BIKE — With a plethora of benefits from enhanced body awareness to improved cardiovascular health, aquatic cycling is not only a great workout, it's FUN! Whether you're an elite athlete looking for more resistance in your training, or simply looking for a more gentle, low-impact exercise to add to your wellness routine, the Prowave is the perfect solution. With multiple levels of resistance and a flywheel design to provide a smoother, more natural ride, this is an approachable type of training that users look forward to! For aquatic spin classes and back yard pools alike. Standard colors: yellow, green or pink. Non-standard colors available on orders of 10 or more. Bike weighs 38 pounds. Weight capacity: 300 lbs.

82-150 Prowave Pool Bike

82-151 Prowave comfort seat



82-100

AQUA JOGGER — Weightless training with virtually no impact to the joints. Can be used for both aqua walking and aqua running. Lightweight and easy to move with scratch resistant wheels. Can be used barefoot, if desired. 100% stainless steel frame with anti-corrosion treatment.

82-100



82-036

THERAPY PARALLEL BARS

PARALLEL BARS — Enables you to transform your pool into a therapeutic rehabilitation area. A perfect addition to your therapeutic programming equipment. Designed to be used either in your pool or in your therapy room. Rubber sleeves help stabilize the bars on all types of floor surfaces. Light weight and portable for easy handling. Straddle bars are adjustable with stainless steel quick release pins. Adjustable in 1" increments from 28" to 40". 1.66" x 1.09 wall thickness with satin finish. 6' Therapy Bar weighs 65 lbs. and 8' Therapy Bar weighs 75 lbs. 21" distance between handrails.

82-036 Therapy parallel bar, 6'

82-037 Therapy parallel bar, 8'



82-155

THE AQUA WALKER — PVC Aqua Walker provides more security for those who are frailer or not as steady on their feet. The added safety the Aqua Walker provides, allows people to enjoy the benefits of exercise in an aquatic environment to help build more strength and better balance. The height adjustability feature utilizes easy-to-manipulate snap-pins and adjusts the armrest height in 1-inch increments; from 34-inches to 48-inches. 3-1/2-inch casters eliminate metal parts so they are durable, corrosion resistant, and roll easily on most pool floors. Weight capacity: 300 lbs.

82-155



81-921

CYCLE ATTACHMENT FOR POOL LIFTS

Converts your pool lift into an aqua therapy bike. Simply slide the Cycle Attachment into place, lower yourself down into the water and enjoy an invigorating workout without ever leaving your lift! The tension knob allows you to easily increase or decrease resistance to customize your workout. Works with all lifts.

81-921



AQUAJOGGER® EXERCISE GEAR
AQUAJOGGER® BUOYANCY BELTS — Increase aerobic endurance and muscle tone with impact-free water exercise. Soft EVA closed-cell foam hugs the body for comfort, maximum buoyancy and durability. **AquaJogger® Classic** is the most popular belt for average shaped women. **AquaJogger® Shape** is ideal for pregnancy, lower back pain and full figures. **AquaJogger® Fit** for shorter waisted women. **AquaJogger® Pro** for average shaped men. **AquaJogger® Shape Pro** for wider waisted men. **AquaJogger® Active** foam is slightly firmer, with simpler styling and an excellent value. **AquaJogger® Junior** is for kids 4-10 years old.

AquaJogger	Blue	Purple
Classic	83-005	83-006
Pro	83-010	•
Fit	•	83-012
Active	83-015	•
Junior	83-020	83-023
Shape	83-024	•
Shape Pro	83-019	•



83-005

AQUAJOGGER® REPLACEMENT BELT — Replacement black elastic waistband with buckle for the AquaJogger® buoyancy belt.

83-026 36" (Junior) **83-028** 54"
83-027 48"



AQUAJOGGER® HITCH — 5' elastic nylon cord with clip attaches to the back of the AquaJogger® belt and the side of the pool for a stationary workout.

83-025



83-030

AQUAJOGGER® DELTA BELLS — Triangular shape allows you to choose your workout level. **Active Bell** (light resistance) ideal for elderly or arthritis patients. **Delta Bell** (medium resistance) ideal for beginning to intermediate fitness levels. **Delta Bell Pro** (maximum resistance) for more advanced fitness levels.

83-031 Active Bell, pair
83-030 Delta Bell, pair
83-029 Delta Bell Pro, pair



83-035

AQUA RUNNERS — Designed to be used in deep water in conjunction with your AquaJogger® buoyancy belt. Soft EVA foam construction. One size fits all. Color: blue. Pair.

83-035



83-038

HYDRO-FIT® EXERCISE GEAR
HYDRO-FIT® WAVE BUOYANCY BELT — Contour shape balances buoyancy evenly around your body enhancing correct posture and alignment. Soft EVA foam forms to your body.

Waist Size	Classic Quick Release Belt	Easy-Close Velcro-Like Closure
Small (up to 32")	83-037	83-270
Medium (33" - 38")	83-038	83-275
Large (39" - 54")	83-039	83-280

HYDRO-FIT® WAVE REPLACEMENT BELT — Replacement black elastic waistband for the Hydro-Fit® Wave Belt.

Size	Classic Quick Release Belt	Easy-Close Velcro-Like Closure
Small	83-041	83-285
Medium	83-042	83-290
Large	83-043	83-295



Ric Frazier Productions



83-045



83-050

HYDRO-FIT® FITNESS CUFFS — For deep and shallow water workouts. **Classic Cuffs** feature a quick-release buckle closure for an extra firm fit. New **Easy-Close Cuffs** are easier to put on and adjust while providing a wider range of fitting options.

83-045 Classic Cuffs, pair
83-046 Easy-Close Cuffs, pair

HYDRO-FIT® COMFORT CUFFS — Comfort cuffs provide cushioned ankle comfort and additional flotation volume. Pair.

83-050



83-056

83-055

83-054

HYDRO-FIT® HAND BUOYS — Three sizes for progressive levels of buoyancy and resistance for upper body conditioning. Colors: white with green (mini), black (regular) or purple (jumbo). Includes: 1 pair hand buoys with instruction guide.

83-054 Hand buoys, mini (2" thick)
83-055 Hand buoys, regular (2³/₄" thick)
83-056 Hand buoys, jumbo (3¹/₂" thick)



83-060

HYDRO-FIT® SPORTS THERAPY BAR-BELL — Provides stable and secure buoyancy for a variety of aquatic activities.

83-060

Water Exercise Gear



83-065

HYDRO-FIT® WAVE WEB PRO — Enhance the natural resistance of the water for effective upper body conditioning. Specify size: S, M, L or XL.

83-065 Hydro-Fit® Wave Web Pro



Ric Frazier Productions

83-071

HYDRO-FIT® NOODLE — Provides stability, support and increased resistance for water exercise. Size: 3" x 54"

83-071



83-315

HYDRO-FIT® HAND BUOY STORAGE RACK

Protects your equipment by keeping hand buoys off the pool deck and organized. Specify hand buoy size being used: mini (2" thick), regular (2³/₄" thick) or jumbo (3¹/₂" thick). Holds 24 pairs of hand buoys. Assembly required.

Hand Buoy Quantity	Hand Buoy Rack	Storage Rack Cover
24 pair	83-315	83-330



83-085



83-084

HYDRO-FIT® RACK SYSTEMS —

Lightweight, storage rack holds 18 complete sets of Hydro-Fit® workout gear. Available with two equipment system options: Buoyancy/Resistance Cuffs and hand buoys, or with Wave Belts and hand buoys. Assembly required.

SYSTEM COMPONENTS

System Quantity	Buoyancy/ Resistance Cuffs	Wave Belts	Rack Cover
System 18	83-085	83-084	83-086



83-086



83-066

HYDRO-FIT® WAVE WEB CADDY — Attaches to either end of your Hydro-Fit® System Storage Rack. 20 individual mesh pockets keep your Wave Webs organized.

83-066



83-073

HYDRO-FIT® NOODLE STORAGE CART

Provides convenient and versatile deck storage for a variety of pool equipment. Durable and portable, the storage cart rolls easily on the surface of your pool deck and is designed to fit through a standard 36" doorway for the option of off-deck storage. Heavy-duty polyester mesh liner is porous, allowing contents to drain and dry easily. Frame is manufactured from commercial grade PVC pipe. Ships partially assembled. Size: 38" H x 28" W x 16" D.

83-073 Noodle Storage Cart Only

83-069 Repl. cart/rack wheels, pair



83-067

HYDRO-FIT® NOODLE CADDY — Attaches to either end of your Hydro-Fit® System Storage Rack. Drawstring cord allows you to tighten mesh caddy as needed, stowing up to 20 Hydro-Fit Noodles.

83-067



83-068

HYDRO-FIT® ALL PURPOSE CADDY — Mesh storage bag provides one convenient place to store extra equipment. Drawstring closure stows contents securely.

83-068



83-088

HYDRO-FIT® GEAR BAG — Nylon mesh duffel bags for stowing and carrying multiple sets of Hydro-Fit® gear.

83-087 Instructor bag, 15" H x 36" W x 15" D

83-088 Facility bag, 20" H x 36" W x 15" D



83-089

HYDRO-FIT® NOODLE BAG — Nylon mesh duffel bag with full-length zipper and comfortable shoulder straps. Holds 20 noodles. Size: 15"H x 54"W x 15"D.

83-089



83-110

AQUAFLEX PADDLES — Paddles build strength through the accommodating resistance of water. Adjustable vents allow you to increase or decrease resistance during exercise. Pair.

83-110



83-124

AQUATIC EXERCISE STEP — Stable exercise step is made of high impact plastic with an anti-slip surface. Excellent for both dry land and water aerobic exercises. Platform size: 24" x 16" with adjustable platform height of 5.5" to 7.5".

83-124



83-156

83-155

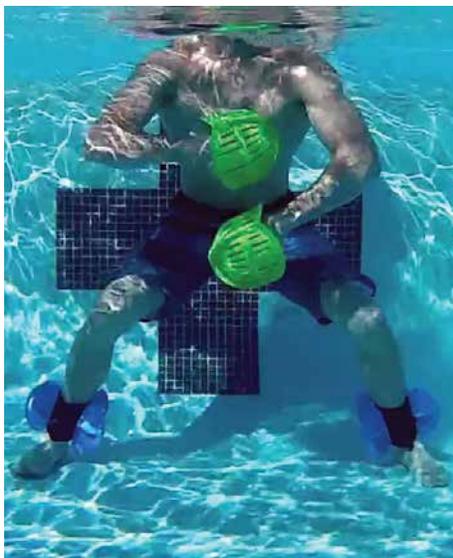
AQUALOGIX EXERCISE GEAR AQUALOGIX WATER EXERCISE GEAR

"Omni directional drag resistance" in the water provides a superior low impact workout. Design delivers a fast eccentric stretch and concentric contraction which triggers maximum athletic workout. Specify resistance level - **Cardio Bells:** All Purpose (black), High Speed (green), or Max Resistance (blue). **Blades:** High Speed (green) or Max Resistance (blue), and **Total Package:** which includes one each of the following - All Purpose Bells, High Speed Bells, Max Resistance Bells, High Speed Blades and Max Resistance Blades.

83-155 AquaLogix Cardio Bells, pair

83-156 AquaLogix Blades, pair

83-157 AquaLogix Total Package



83-092

INSTRUCTORS DECK MAT

DECK MAT — Soft mat designed to provide added stability and wet traction for slippery pool decks. Mat's porous construction keeps your teaching area dry and slip resistant. Size: 3' x 5'.

83-092



83-092



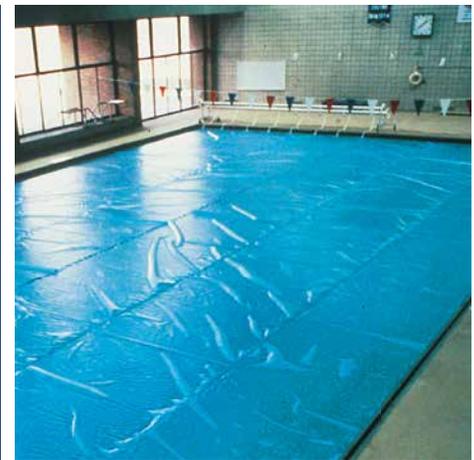
EXERCISE MAT — The most versatile exercise mat available on the market, this mat can be used in the water or on the pool deck. This mat is flexible, water resistant and light. Size: 24" x 60" x 0.5". Color may vary.

83-096



83-096

Pool Covers



84-025

POOL AND SPA COVERS

INSULATED FLOATING POOL COVERS — Save 60-70% of your heating costs by using an insulated floating pool cover. Reduces water evaporation, chemical loss, energy costs, and will help keep your pool cleaner. Payback on most covers is less than one year. Each pool cover is custom designed and fitted to your pool dimensions and is priced per square foot.

The pool cover material varies by thread count in the polyethylene fabric. Each material gains bursting strength and abrasion resistance as the thread count increases. The 1212 hemmed edge is used for indoor pools and spas, or 1 piece outdoor covers. The 1212 weighted edge is used on outdoor pools to help prevent wind lift.

1010 STD COVERS - 3 YEAR WARRANTY

Cover Size	Edge Style	
	Hemmed	Weighted
1-299 sq. ft.	84-011	84-016
300-999 sq. ft.	84-012	84-017
1,000-1,999 sq. ft.	84-013	84-018
2,000-2,999 sq. ft.	84-014	84-019
3,000+ sq. ft.	84-015	84-020

1014 RS COVERS - 4 YEAR WARRANTY

Cover Size	Edge Style	
	Hemmed	Weighted
1-299 sq. ft.	84-115	84-140
300-999 sq. ft.	84-120	84-145
1,000-1,999 sq. ft.	84-125	84-150
2,000-2,999 sq. ft.	84-130	84-155
3,000+ sq. ft.	84-135	84-160

1212 DLX COVERS - 5 YEAR (PRO-RATA)

Cover Size	Edge Style	
	Hemmed	Weighted
1-299 sq. ft.	84-001	84-006
300-999 sq. ft.	84-002	84-007
1,000-1,999 sq. ft.	84-003	84-008
2,000-2,999 sq. ft.	84-004	84-009
3,000+ sq. ft.	84-005	84-010

1214 XL COVERS - 5 YEAR WARRANTY

Cover Size	Edge Style	
	Hemmed	Weighted
1-299 sq. ft.	84-165	84-190
300-999 sq. ft.	84-170	84-195
1,000-1,999 sq. ft.	84-175	84-200
2,000-2,999 sq. ft.	84-180	84-205
3,000+ sq. ft.	84-185	84-210

SOLAR POOL COVERS — Polyethylene floating pool cover is an economical way to cover your pool. Highly buoyant, air-filled bubble material provides insulation for the pool surface and prevents heat loss through evaporation. Solar covers reduce heating costs up to 70% and are the most cost efficient investment you can make. Solar covers work on indoor and outdoor pools. When left on in sunlight, a solar cover will add as much as 10 degrees to an unheated pool. Blanket panels can be ordered in any length, but must be ordered in even widths. Panels can be easily trimmed to size when placed on pool. Solar cover material: 13 mil. thickness. Color: clear/translucent. **Warranty: 7 Year Warranty (3 Years Full).**

84-025 Commercial Solar Cover, per sq. ft.



SOLAR POOL COVER

Item	XL Panel Length			XW Panel Width		
	83' - 88'	89' - 94'	95'+	19' - 20'	21' - 22'	23'+
Panel Surcharge	84-250	84-255	84-260	84-265	84-270	84-275
84-280	Ladder/hand rail cut outs, each					
84-285	Rounded corners, each					



NOTE: See pages 226 - 229 for storage reels and pool cover accessories.



84-370

POOLSTYLE SOLAR BLANKETS — The PoolStyle Solar Bubble Cover is the most economic way to reduce water, chemical, and heat loss in any commercial pool when not in use. Available in a variety of sizes, they can be easily cut to fit the exact shape of your pool. Studies have shown that covering a pool can reduce evaporation by up to 95%. Not only will the cover reduce water loss, but chemicals and heat are also retained more effectively with a cover saving time and money all around. Available with a 4 or 6 year warranty.

Cover Size	Product
12' x 20'	84-290
12' x 24'	84-295
14' x 28'	84-300
16' x 24'	84-305
16' x 30'	84-310
16' x 32'	84-315
16' x 36'	84-320
16' x 40'	84-325
18' x 32'	84-330
18' x 36'	84-335
18' x 40'	84-340
20' x 36'	84-345
20' x 40'	84-350
20' x 44'	84-355
24' x 40'	84-360
24' x 44'	84-365
26' x 50'	84-370
25' x 45'	84-375
25' x 50'	84-380
30' x 50'	84-385
30' x 60'	84-390



84-045

SAFETY COVERS

SAFETY COVERS — Custom-tailored to fit any size or shape pool. Poly mesh material is strong, but lightweight. Allows water to flow through, but not leaves or debris. Great for winterizing your pool. Also protects your pool from unlawful entry and liability exposure. Patented anchoring system uses concrete anchors and stainless steel straps to keep the cover tight and keep heavy objects out of pool. Dimensional drawing of your pool required for quotation.

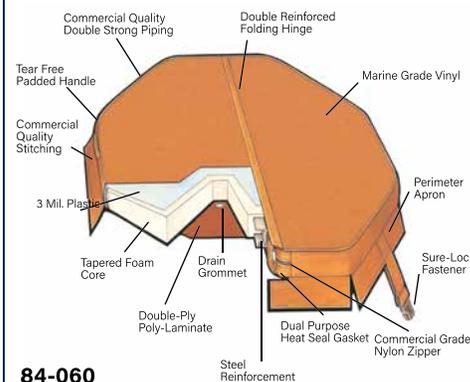
- 84-045** Safety cover- Custom
- 84-046** Replacement pop-up anchors
- 84-047** Replacement screw-type anchors
- 84-048** Allen wrench
- 84-049** Replacement stainless spring



INSULATED SPA COVERS

INSULATED FLOATING SPA COVER — Heavy duty "Ultra" material with hemmed edges. Custom cut to your spa. Submit drawing with handrail locations indicated. Material color: blue top and black bottom. **1 Year Warranty.**

- 84-061** 1-299 sq. ft.
- 84-062** 300+ sq. ft.



84-060

INSULATED SPA COVER — 4" to 2" tapered foam core for excellent insulation. Covered by a marine grade vinyl with mildew and UV inhibitors. Double reinforced center folding hinge for easy removal and storage. Steel reinforcement rib for strength and rigidity. Cover mounts on lip of spa or on coping. Floating cover can also be used on water surface to increase insulating capabilities. Available in 10 different colors.

- 84-060** Insulated spa cover

Commercial Storage Reels



SINGLE STORAGE REEL — Height: 33"; Width: 28"; Length: 1' longer than winding tube length.



DOUBLE STORAGE REEL — Height: 45½"; Width: 45½"; Length: 1' longer than winding tube length.

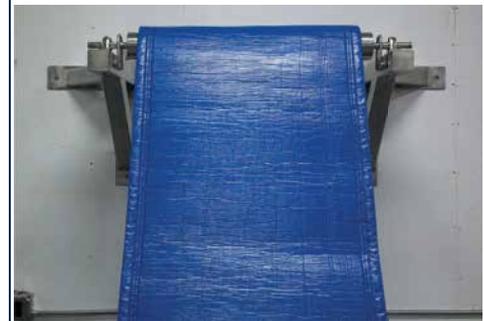


TRIPLE STORAGE REEL — Height: 45½"; Width: 45½"; Length: 1' longer than winding tube length.

COMMERCIAL STORAGE REELS

STAINLESS STEEL STORAGE REELS — Specifically designed for easy removal and storage of your insulating pool blanket. All-welded reels are constructed of 1.90" O.D. x .120" wall thickness tubing. Type 304 stainless steel. Each reel is supplied with two 24" diameter handwheels for safety and ease of handling. On multiple shaft reels, the handwheels can be moved to another shaft by means of a quick-release handwheel locking pin. The winding tube is constructed of 4" diameter Type 304 stainless steel, with three pool cover attaching straps on each tube. Each reel has two stainless steel screw jack brakes on each end for securely holding reel in place. Single reels provided with 4 - 950 lb. casters and double/triple reels come with 6 - 950 lb. casters. Determine which size reel to purchase by sizing it 1' wider than your widest pool cover panel. Available in 10' to 20' lengths in single, double or triple winding tube designs. Maximum capacity for each reel is 150 lineal feet per winding tube. **10 Year Warranty.**

Winding Tube Length	Maximum Cover Width	Single	Double	Triple
10' Storage Reel	9'	85-003	85-048	85-093
11' Storage Reel	10'	85-004	85-049	85-094
12' Storage Reel	11'	85-005	85-050	85-095
13' Storage Reel	12'	85-010	85-055	85-100
14' Storage Reel	13'	85-015	85-060	85-105
15' Storage Reel	14'	85-020	85-065	85-110
16' Storage Reel	15'	85-025	85-070	85-115
17' Storage Reel	16'	85-030	85-075	85-120
18' Storage Reel	17'	85-035	85-080	85-125
19' Storage Reel	18'	85-040	85-085	85-130
20' Storage Reel	19'	85-045	85-090	85-135



WALL-MOUNTED REELS

WALL-MOUNTED STORAGE REELS — Conserves valuable deck space, by utilizing wall mounted reels for pool cover storage, on indoor or outdoor facilities. Manufactured of 304 stainless steel, using the latest in welded technology. Solid, heavy duty backing plates allow installation in a variety of applications. Can be used with hand wheels or hand cranks to wind the covers on and off the pool. The use of a Power Drive unit, can create a semi-automatic pool cover solution for your facility. We can work with your structural engineer to determine if your facility is a candidate for our wall mounted storage reel system- inquire. Capacity: 82 In. ft. of insulated cover material. Available in widths from 10 ft. to 20 ft. wide. **10 Year Limited Warranty.**
86-010



STORAGE REEL COVERS

CHAMPION™ STORAGE REEL COVERS

Protects pool covers from damaging sunlight while the covers are stored on commercial storage reels. Covers will fit any manufacturer's single, double or triple reel. Constructed with 12 oz./sq. yd. vinyl laminate fabric. Specify winder size and manufacturer when ordering.

Storage Reel Size	Single	Double/Triple
10' - 13'	85-140	85-155
14' - 17'	85-145	85-160
18' - 20'	85-150	85-165



JUNIOR STAINLESS STORAGE REELS

For smaller sized pool cover applications. Frame constructed with 1.75" OD x .120" wall thickness 304 stainless steel tubing. Winding tube is made with 4" OD x .120" wall thickness tubing. Includes: 12" hand crank, 2 screw jack brakes, and four 4" diameter stainless casters. Dimensions: 18"H x 24"D x winder length (L). Can hold up to 80 lb. ft. of insulating pool cover material. **10 Year Warranty.**

85-250 8'	85-275 13'
85-255 9'	85-280 14'
85-260 10'	85-285 15'
85-265 11'	85-290 16'
85-270 12'	



MOTORIZED REEL SYSTEMS

THERMGLIDE POWER DRIVE SYSTEM

The ThermGlide unit is a self-contained, battery operated, pool cover reel unit that is rechargeable and can be used with your existing storage reel to power your pool cover panels on and off your pool. The Power Drive unit which has separate Power Head to attach to each shaft for winding, can be used as the drive for multiple reels. Can power a 75 ft. pool cover on or off a storage reel in 2 minutes. Easy-to-use control panel with emergency stop feature. 60 minutes of battery life with onboard charging system. Constructed with durable, welded stainless steel chassis with lockable, corrosion resistant polyurethane wheels. Ships completely assembled.

85-370 ThermGlide- battery operated reel



85-370



85-365



POWER DRIVE SYSTEM

— Add to your new or existing pool cover storage reel to convert your storage reel to semi-automatic operation. Can be used on new reels or retrofitted to an existing reel. Can be installed on portable and wall mounted storage reels. System provides an electric gear motor on each shaft with separately located reel mounted controls that adjust winding speed and direction. Engage Power Drive to wind the cover up and then flip a switch to reverse direction and unwind cover back onto the pool. Controls contain the following options: power on/off, start/stop, and speed control from 10% to 100% of maximum RPM. Motor and Gear Reduction are wash-down grade for long life. Electric motor is 1/2 HP and is permanently lubricated and maintenance free. 115 volt.

- 85-350** Power Drive- single reel
- 85-355** Power Drive- double reel
- 85-360** Power Drive- triple reel
- 85-365** Power Drive- wall mounted reel



85-360

Storage Reels & Accessories



86-165

POOL COVER STORAGE REELS

ELITE COMMERCIAL REELS — Heavy duty reels designed to store solar pool covers. Available in single shaft and double shaft styles. 36" high aluminum frame with white painted finish, stainless steel hardware, anodized aluminum winding tube, and 4" locking casters.

Item Number	Description	Max. Ln. Ft. Shaft	Max. Reel Width	Max. Cover Width
86-165	Single Reel	125 ft.	22 ft.	20 ft.
86-170	Single Reel	125 ft.	26 ft.	24 ft.
86-175	Double Reel	90 ft.	16 ft.	15 ft.



85-170

COMMERCIAL REEL PARTS

SCREW JACK — Stainless steel holding device for new and existing reels. Unit mounts onto 4½" x 4" caster pad. Stainless bolt set of (4) bolts, lock washers, and nuts ordered separately.

85-170

85-171 Screw Jack bolt set, 1¼"

85-172 Repl. screw jack pad with hardware

85-173 Repl. screw jack knob

85-174 MacBall style screw jack



85-195

STAINLESS STEEL HAND WHEEL — 24" diameter hand wheel for Universal Reels. Also a convenient upgrade to other brands of reels that use hand cranks. Wheel comes with 1" diameter hub. ¾" square shaft adapter and hand wheel locking pin ordered separately.

85-195

85-196 ¾" Square shaft adapter



85-200

HAND WHEEL LOCKING PIN

85-200



85-208

SWIVEL CASTER — 6" diameter, 950 lb. caster with 2" wide tread. Stainless bolt set of (4) bolts, lock washers, and nuts ordered separately.

85-208 Stainless Steel Caster

85-211 Swivel Caster bolt set, 1"



85-175

STAINLESS STEEL WINDING TUBES

85-175 12' to 14'

85-180 15' to 17'

85-185 18' to 20'



85-190

85-191

85-205

85-206

PILLOW BLOCK BEARING — Two bearings required per winding tube. Stainless bolt set of (2) bolts, flat washers, lock washers, and nuts ordered separately.

85-190

85-191 Bearing bolt set, 3"

STAINLESS STEEL HAND CRANK — 12" stainless steel hand crank for ¾" square or 1" round shaft end.

85-205 ¾" square hand crank

85-206 1" round hand crank



85-225



85-232



85-220

85-216



85-230

POOL COVER ATTACHING STRAP —
For attaching cover to winding tube.

- 85-220 3' strap w/hardware (old style)
- 85-225 5'-15' strap w/hardware (old style)
- 85-226 8' strap w/slide
- 85-227 10'-15' strap w/slide

POOL COVER DOWELS — Attaches cover to reel straps. 3/2" polyethylene tubing with rope.
85-230

PULL-IT PRO ATTACHMENT SYSTEM — Stainless steel Pull-it Pro toggles replace factory pool cover dowels. Attachment System kit includes: 3 x reel shaft clamps, 3 x "D" rings, and 3 x stainless toggles. One kit is installed on each winding tube, so each panel can be attached to reel. Panel toggles ordered separately.

- 85-232 Pull-it Pro toggle, stainless steel
- 85-233 Pull-it Pro Attachment System kit

POOL COVER RETAINING STRAP — 8 ft. adjustable strap with buckle for securing pool cover on winding tube.
85-216



POOL COVER ACCESSORIES
INSULATING BLANKET REPAIR KIT

For insulated, floating, 3-ply cover, 1/8" thick. Includes: ThermCare tape (2" x 15' roll), 12 sq. ft. cover material and repair instructions.

- 84-065
- 84-068 ThermCare repair tape, 2" x 15' roll

POOL COVER REPAIR TAPE — Repair tape for solar covers and insulating pool blankets. Easy to apply and UV resistant. 100' roll.
84-067



84-100

LIQUID POOL COVERS
HEATSAVR LIQUID POOL COVER

Reduces heat loss and evaporation from any pool. New patented technology offers an alternative to conventional pool and spa covers or can be used in conjunction with them to increase your savings. Will save energy and water costs in every pool, even while the pool is in use. Will also reduce evaporation and humidity on indoor pools. Will not affect your pool chemistry. Completely safe, non-toxic, and biodegradable. Can be fed manually or continuously fed with automatic metering system. Daily dosage: 1-2 oz. per 400 sq. ft.

- 84-100 4 liter bottle (140 oz.)

See page 33 for low dosage feed pumps.



BEFORE LIQUID POOL COVER



AFTER LIQUID POOL COVER



Pool Covers



S.R. SMITH INSULATED FLOATING POOL COVERS — Formerly T-Star. These EnergySaver covers offer immediate and significant energy savings in addition to drastically reducing water evaporation and chemical consumption. Pool Covers often pay for themselves in less than one year! S.R. Smith pool covers are custom designed to fit each pool and are offered in both Standard and XER models to fit every budget!

Key EnergySaver Pool Cover Features include:

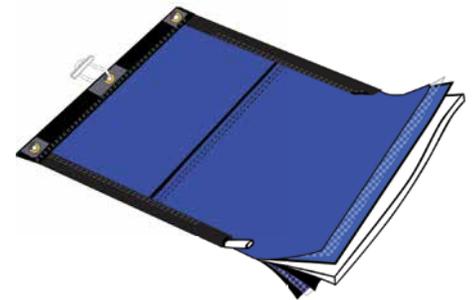
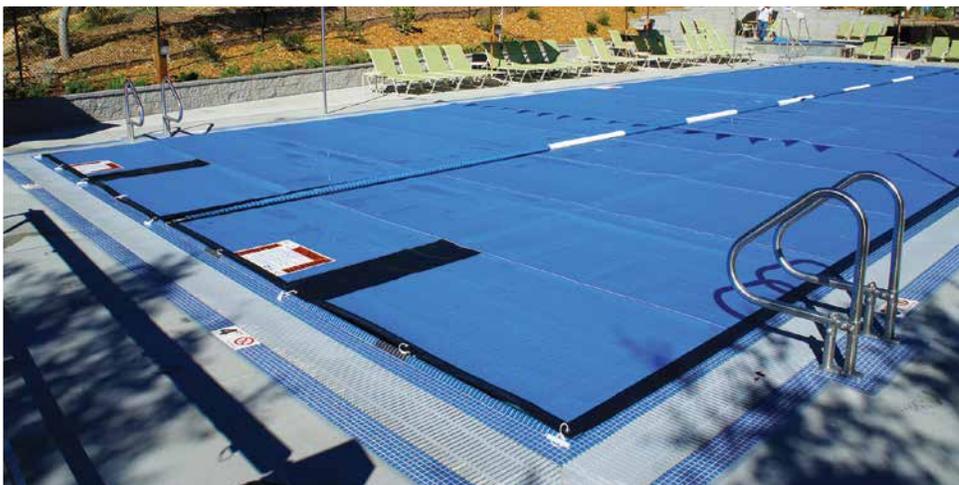
- 7-Layer Design
- Blue top and black bottom
- 12 x 10 stitch count
- Coated and UV stabilized on both sides
- Weighted edging for outdoor pools

The **EnergySaver Standard** pool cover provides the best value for thermal pool covers on the market. It utilizes Quadra Seam stitching on the first and last section of each cover. **5 Year Pro-Rated Warranty.**

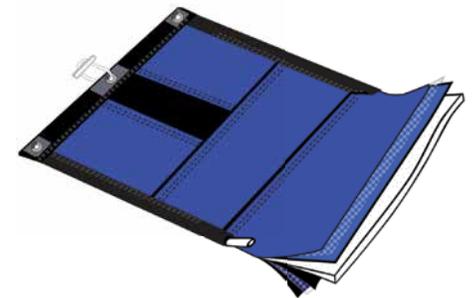
The **EnergySaver XER** is an extra high-strength pool cover that is designed for heavy duty use. This cover has all the features found in the EnergySaver Standard thermal pool cover, but includes several additional features for greater abrasion resistance and strength, stronger seam configurations, and extra-reinforced ends. Includes industry leading. **7 Year Pro-Rated Warranty.**

84-215 EnergySaver Standard Pool Cover

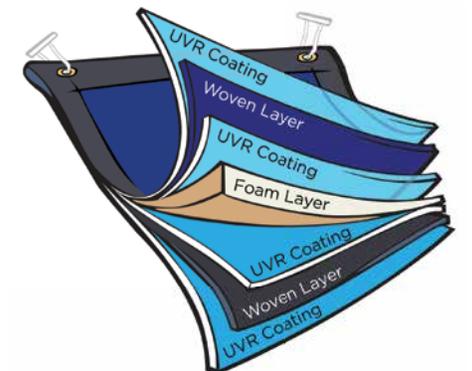
84-220 EnergySaver XER Pool Cover



EnergySaver Standard



EnergySaver XER



Material Cut Away



STORAGE REELS & ACCESSORIES

POWDER COATED STAINLESS STEEL STORAGE REELS — S.R.Smith thermal pool cover storage reels are specifically designed to make removing, deploying and storing pool covers easy! Each reel is constructed of durable, 11-gauge stainless steel with a protective powder-coat finish. S.R.Smith is the only reel manufacturer that offers the extra layer of rust protection that is achieved by powder-coating.

- Stainless steel screw jack brakes provide stability
- Available in lengths from 10- to 21-feet
- Single, double, or triple winding tube designs
- Maximum capacity 150 lineal feet per winding tube
- Equipped with stainless steel crank handle
- Utilizes 6" diameter, non-marring, polyethylene wheels
- Smaller, custom sizes available
- 10-year structural warranty

84-225 Pool Cover Storage Reels, powder coated S.S.



AUTOMATIC REWINDERS

UNA AUTOMATED REWINDER — Integrated pool cover retractor built with a single-tube storage reel (purchased together as a set) that can either be controlled directly on the unit or via a remote control. Reduces the amount of staff needed to deploy and reel in the covers. On-device or remote control operation with rechargeable battery power. Heavy-duty stainless steel construction. Powder-coated for durability in most pool environments.

84-230 Automated Reel and Rewinder



EOS PORTABLE AUTOMATIC REWINDER — Pool cover retractor works with all configurations of one, two, and three-tube storage reels to deploy and retrieve pool covers simply and easily. Controlled directly on the unit or via a remote control with rechargeable battery power. Powder-coated for durability in most pool environments. Will work with most manufacturer's reels.

85-235 EOS Portable Automatic Rewinder



POOL COVER DEPLOYER

POOL COVER DEPLOYER — Device that connects to the EOS Automatic Rewinder to effortlessly pull the covers back onto the pool evenly and safely. Heavy-duty stainless-steel construction with protective powder-coated finish. Makes single person deployment easy.

85-240 Deployer



STORAGE REEL COVERS

STORAGE REEL COVERS — Protect your pool covers from the elements while being stored on the reels. Available in Blue or Black. Sized by number of tubes and reel length. Specify.

85-245 Storage Reel Cover

Index

A

Acid	6-8, 19, 37, 85, 87, 98, 131
Air Blowers	47
Anchors	107, 109, 114, 116, 127, 151,153, 164, 165, 168, 216, 217
AOP Systems	27, 28
Aquatic Accessibility	212-219
Automatic Backwash Control Systems	52
Automatic External Defibrillator	138
Automatic Vacuums	89-91

B

Baby Changing Stations	190
Backwash Sight Glass	58
Backwash Valves	57
Ball Valves	62
Barstool	201
Bases	207
Basketball	168, 171
Battery Operated Vacuums	92
Benches	203, 204
Blankets	134, 218, 229
Bleachers	205
Boards	107, 108, 124, 169, 174, 175
Booster Pumps	47
Brushes	98
Bulkheads	154
Buoys	124, 127, 156, 221
Butterfly Valves	62
By-Pass Assembly	15

C

Cabanas	207
Caps	97, 166
Carbon Dioxide Systems	29
CAT Controllers	16
Catridge Filters	57
Caution Tape	141
CCH Feeders	21
Cervical Collars	134
Chaise	194 - 201
Channel Drains	65
Check Bag Systems	189
Check Valves	62
Chemical Containers	39

Chemical Feed Pumps	10, 11, 13, 15, 23, 30-33, 36
Chemicals	6-13, 113, 131
Chemical Transfer Pumps	37
Chemtrol PC Controllers	14
Chlorination Systems	17-19
Chlorine/Bromine Feeders	23
Chlorine Generators	7, 24
Chlorine Generator Salt	7
Clamps	127
Cleaner	6, 11-13, 199
Cleaning Accessories	97-100
Cleaning Systems	100, 192
Climbing Walls	182
Clocks	160, 163, 211
Coaching	167
Coatings	183-186
Controller Accessories	15
Controller Probes	15
Controllers	14, 16, 47
Corrosion Monitor	77
Covers	38, 59, 64, 69, 114, 145, 152, 207, 213, 224-231
CPR Masks	136
CPR Training	137, 138
Cubby	189

D

Depth Markers	132
Diving Boards	107, 108
Diving Stands	106-110
Drain Covers	64
Draining System	79
Dry Guages	58

E

Electrical Accessories	105
Electric Heaters	77
Electronic Solenoid Pumps	30
Energy Controllers	47
Entrapment Prevention	105
Enzymes	11
Equipment Storage	146
Escutcheons	114
Exercise Equipment	220
Eyebolts	127
Eyewash Station	139

F

Fanny Packs	122
Feeders	6, 17, 22, 23
Feed Systems	19, 21
Fill Spouts	70
Filter Accessories	58
Filter Aids	7
Filter Cartridges	59
Filter Cleaners	13
Filter Cleaning Aids	59
Filter Grid Assemblies	59
Filter Grid Covers	59
Filter Parts	53
Filters	7, 10-13, 17-21, 50-61, 89
Filter Systems	50-57
Fins	157
First Aid Kits	135
First Responder Bags	136
Fittings	37, 53, 63, 69, 96, 97
Flashlights	141
Floats	127
Float Valves	61
Flooded Suction Pumps	46
Floor Coverings	192, 193
Flow Meters	41, 60
Foam	109, 133, 173, 174, 225
Fulcrums	110
Furniture	194, 198-201

G

Games	168, 169
Gauge Accessories	58
Gauges	56, 58, 167
Goals	164, 165
Goggle	140
Grab Rails	111, 112
Grates	64-67
Grating Systems	78-81
Grids	59
Grills	205
Ground Fault Interrupters	95, 105
Guard Chairs	116-118
Guard Stands	119
Gutter Drains	69

H

Hair & Lint Strainers	48, 49
Handrail Accessories	114
Handrails	112, 113, 218
Head Immobilizers	133
Heaters	71-77, 209
Heating Systems	71-77
Hose Hanger	96
Hose Reels	96
Hoses	95

I

Impellers	40, 47
Inflatable Structures	176, 177
Inlets	69
In-Line Thermometers	77
Installation Saddles	63
Interactive Play	178

J

Joint Fillers	187
Junction Boxes	104

K

Kickboards	156
------------------	-----

L

Ladders	111-113, 218
Ladder Treads	115
Lane Lines	142, 143
Lane Parts	144
Lanyards	125
Latex Gloves	134
Leaf Cleaning	95
Leaf Skimmers	99
Lifeguard Apparel	120, 121
Lifeguard Supplies	122-125
Life hooks	124
Life Jackets	126, 128, 129, 159
Lift Covers	213
Lifts	212-216, 220
Light Accessories	104

Index

Light Bulbs 104
 Line Strainers 49
 Liquid Filled Gauges 58
 Liquid Level Sensor 40
 Liquid Pool Covers 229
 Locker Room Accessories 190, 191
 Lockers 188
 Lounge 200

M

Main Drain Grates 64-67
 Masks 136
 Mats 173, 174, 193
 Matting 192, 193
 Megaphones 125
 Mixer Parts 40
 Mixers 40
 Multimedia Filters 56

N

Noodles 172, 222
 Nozzles 100

O

Outdoor Furniture 194-201
 Outdoor Heating 209

P

Pace Clocks 160
 Paddle Boards 175
 Pads 161, 162, 174
 Partitions 190
 Parts & Accessories 20, 36, 110, 144
 Pennants 152
 Picnic Tables 202
 Plumbing Fittings 62,63
 Poles 97
 Pool Covers 224, 230
 Portable Pool Cleaners 93
 Prominent Accessories 30
 Pull Training 156
 Pulsar CRS 10
 Pumps 30-47

R

Racing Lane Lines 142, 143
 Railings 112, 113
 Rakes 99
 Regenerative Media Filters 55
 Relief Valves 68
 Replacement Tubing 37
 Rescue Boards 124
 Rescue Cans 123
 Rescue Equipment 133-138
 Rescue Tubes 123
 Respirators 140
 Room Evacuator System 39
 Rope 124, 127

S

Safety Covers 152, 225
 Safety Padding Systems 109
 Safety Signs 128-131
 Safety Vests 159
 Sand Filter Systems 54
 Sanitization Systems 27, 28
 Sanitizers 6
 Scoreboards 163
 Seats 115, 191
 Secondary Containment 38, 40
 Self-Priming Pump 42, 47
 Sequestering Agents 10
 Service Kits 35
 Shade 201, 207, 208
 Shade Structures 208
 Shower 129, 139, 191, 211
 Shower Seat 191
 Signs 128-132
 Skimmers 70
 Slides 179-181
 Solenoid Valves 15, 61
 Solution Tank Mixers 40
 Solution Tanks 38
 Spa Chemicals 11
 Spa Covers 225
 Specialty Chemicals 8-13
 Specialty Compounds 187
 Specialty Equipment 211
 Specialty Pumps 47
 Specialty Valves 57
 Spill Response 131, 141
 Spine Boards 133

Stanchions 153
 Starting Platforms 147-152
 Starting Systems 161
 Steps 115
 Storage Reels 145, 226-228, 231
 Storage Systems 40
 Storage Tanks 29, 38
 Straps 122, 134
 Sumps 40, 64-68
 Sun Protection 121
 Surface Skimmers 70
 Swim Training 156, 157
 Swim Wall Systems 155

T

Tables 198, 200, 202, 205
 Tablets 6, 18, 21-23, 82, 85
 Tank Covers 38
 Tanks 29, 38
 Teaching Platforms 158
 Technique Trainers 157
 Test Kits 82-87
 Test Reagents 88
 Thermometers 77, 211
 Tile Cleaner 12
 Tiles 132, 192
 Timing Systems 162, 163
 Tools 70
 Toys 170, 171, 173
 Training 122, 137, 138, 156, 157
 Transformers 104
 Trash Containers 210
 Tubes 33, 36, 123, 172
 Tubing Accessories 37
 Tubular Element Covers 59

U

Umbrellas 206, 207
 Underwater Lights 101-104
 Underwater Speaker System 105
 UV Systems 19, 25, 26

V

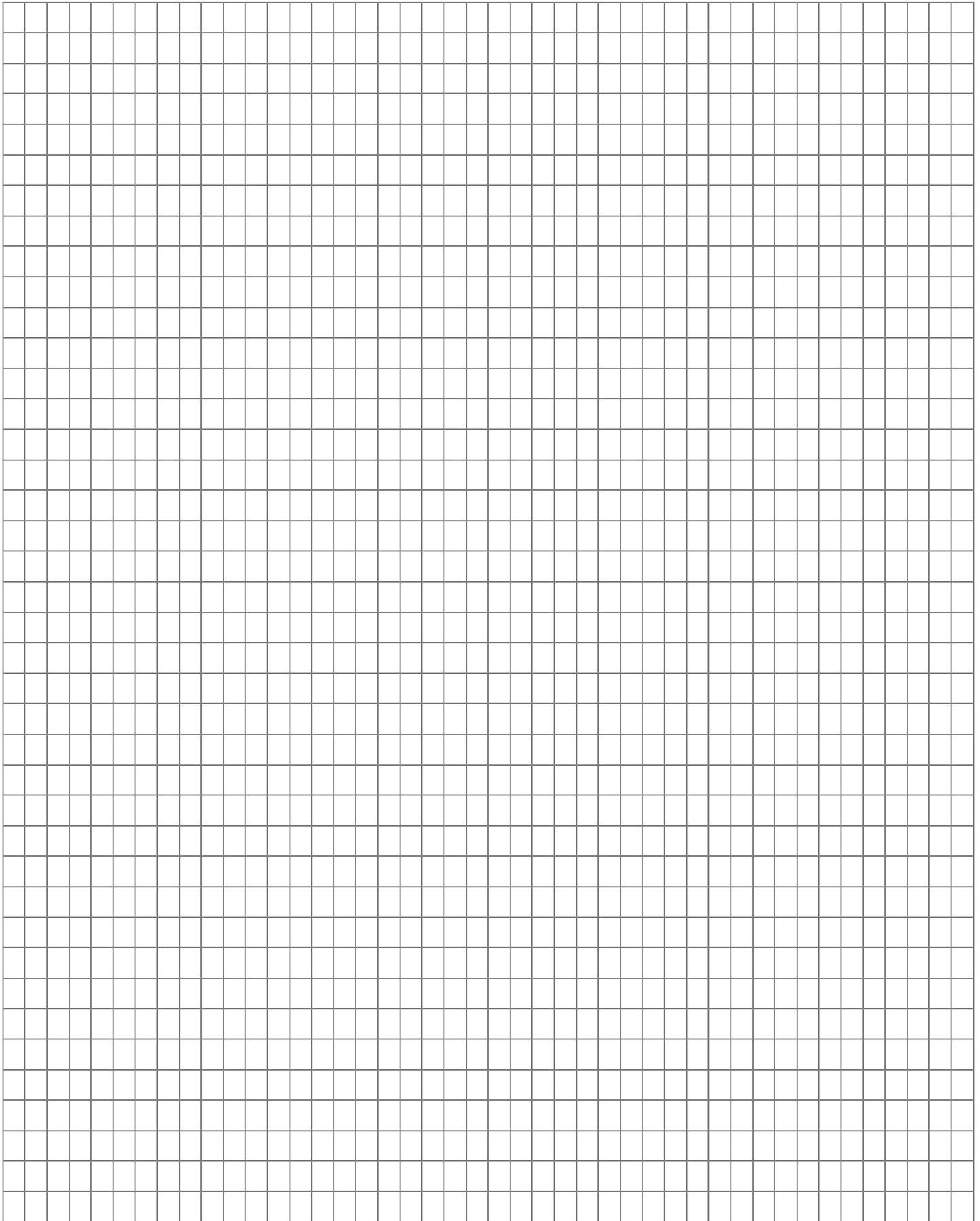
Vacuum Heads 94
 Vacuums 92, 93
 Valve Extensions 63
 Valves 15, 30, 36, 50, 52, 53, 57, 62, 63, 68, 136
 Variable Frequency Drives 41
 Variable Speed Pumps 44
 Venturi Feeders 23
 Vests 126, 159
 VGB Grates 64, 66
 Vinyl 12, 131, 132, 193
 Volleyball 168, 171

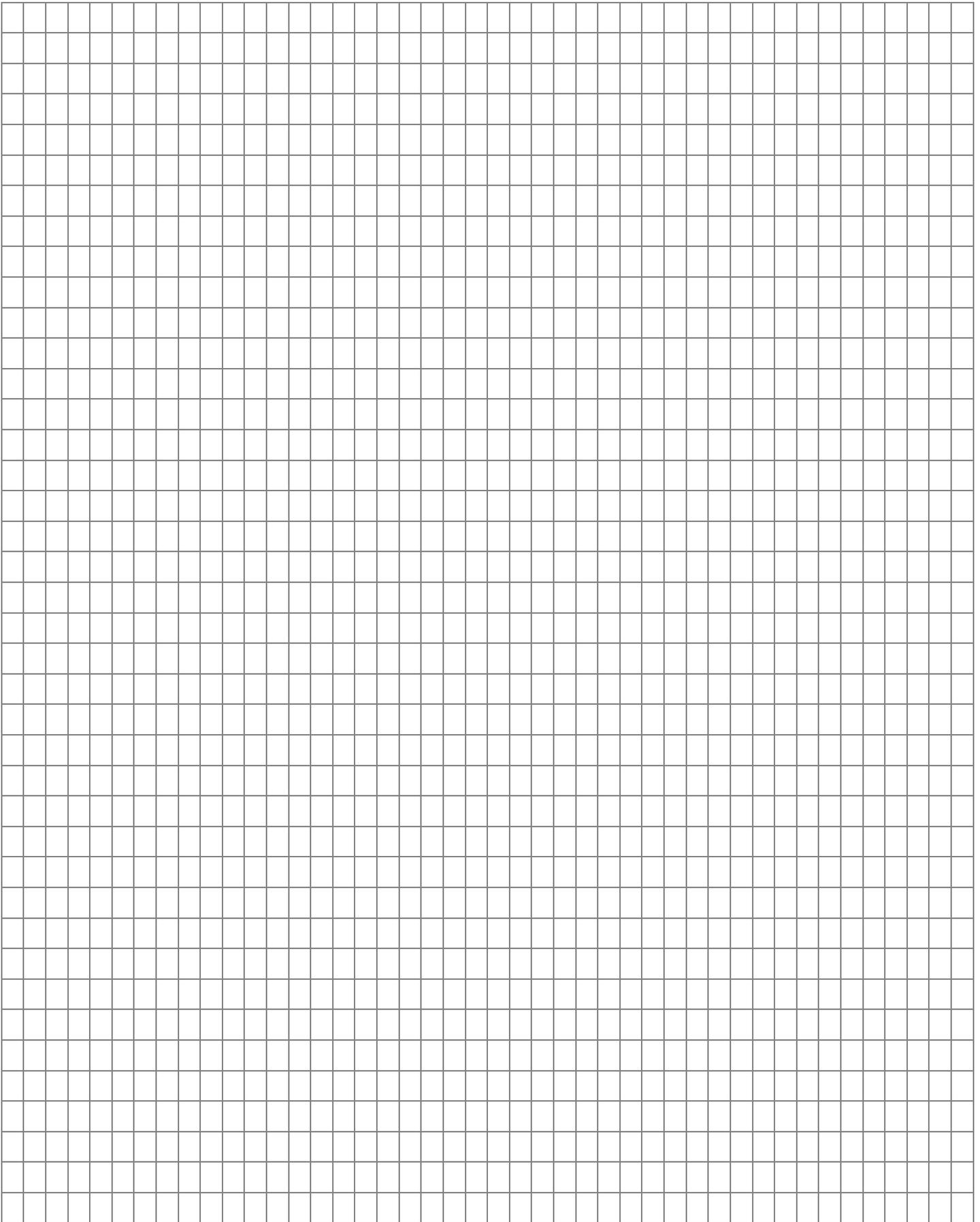
W

Wall Inlet Fittings 69
 Water Clarifiers 10
 Water Extractor 191
 Water Level Controls 61
 Water Polo 160, 163-167
 Water Slides 179-181
 Water Stations 211
 Water Stop Fittings 63
 Wheelchairs 219
 Whistles 125



Graph





WEEKLY WATER TEST LOG SHEET[®]

Date	Time	Staff	Water Clarity	CONTROLLER READINGS				TEST KIT RESULTS				FILTRATION/CIRCULATION			
				pH	ORP/PPM	pH	CL2	ALK	HARD	Influent PSI	Effluent PSI	Flow Rate GPM	Water Added	Comments	
MONDAY															
Chlorine Used: _____ Chemicals Added: _____ Filters Backwashed: _____															
TUESDAY															
Chlorine Used: _____ Chemicals Added: _____ Filters Backwashed: _____															
WEDNESDAY															
Chlorine Used: _____ Chemicals Added: _____ Filters Backwashed: _____															
THURSDAY															
Chlorine Used: _____ Chemicals Added: _____ Filters Backwashed: _____															
FRIDAY															
Chlorine Used: _____ Chemicals Added: _____ Filters Backwashed: _____															
SATURDAY															
Chlorine Used: _____ Chemicals Added: _____ Filters Backwashed: _____															
SUNDAY															
Chlorine Used: _____ Chemicals Added: _____ Filters Backwashed: _____															



SWIMMING POOL CALCULATIONS

WEIGHTS AND MEASURES

One cubic foot of water contains 7.48 gallons.
 One cubic foot of water weighs 62.2 pounds.
 One gallon of water weighs 8.32 pounds.
 One gallon equals four quarts.
 One part per million (ppm) represents 8.32 pounds of chemical per million gallons of water.
 One pound psi equals 2.31 feet of head.
 One inch of mercury equals 1.13 feet of head.

METRIC EQUIVALENTS

1 meter = 39.37 inches
 3.2808 feet
 1.0936 yards
 1 foot = .3048 meters
 = .9144 meters
 1 yard = 3.785 liters
 1 liter = .2642 gallons

POOL SURFACE AREA

AREA OF A SQUARE OR RECTANGLE
Area = Length x Width

AREA OF A CIRCLE
Area = πr^2
Area = 3.14 x r^2

FILTER SIZING

HIGH RATE SAND FILTERS — 15 gallons per minute per square foot maximum.

RAPID SAND FILTERS — 3 gallons per minute per square foot maximum.

CARTRIDGE FILTERS — .375 gallons per minute per square foot maximum.

DIATOMACEOUS EARTH FILTERS — With continuous feed of D.E., 2.0 gallons per minute per square foot maximum.

TO DETERMINE SQUARE FOOTAGE OF FILTER AREA REQUIRED:
 Pool gallonage ÷ 60 minutes ÷ Pool turnover rate (number of hours) ÷ Filtration rate (gpm per square foot of filter area) = Square foot filter area required.

DIATOMACEOUS EARTH FILTERS

PRE-COAT

Continuous feed — .1 pounds per square foot of filter area.

Non-continuous feed — .15 pounds per square foot of filter area.

FILTER CYCLE — Add 2.5 pounds of D.E. per turnover for 100,000 gallon pool (continuous feed).

MAXIMUM COAT OF D.E. — Seven times the amount of pre-coat (for pressure D.E. filter).

SATURATION INDEX = PH + TF + CF + AF - 12.1

NUMERICAL VALUES FOR FORMULA

TEMP °F	TF	CALCIUM HARDNESS EXPRESSED AS PPM CaCO ₃	CF	TOTAL ALKALINITY EXPRESSED AS PPM CaCO ₃	AF
32	0.0	5	0.3	5	0.7
37	0.1	25	1.0	25	1.4
46	0.2	50	1.3	50	1.7
53	0.3	75	1.5	75	1.9
60	0.4	100	1.6	100	2.0
66	0.5	150	1.8	150	2.2
76	0.6	200	1.9	200	2.3
84	0.7	300	2.1	300	2.5
94	0.8	400	2.2	400	2.6
105	0.9	800	2.5	800	2.9
128	1.0	1,000	2.6	1,000	3.0

POOL GALLONAGES

RECTANGULAR OR SQUARE POOLS

Volume = Length x Width x Average Depth x 7.48

ROUND POOLS

Volume = $r^2 \times \pi (3.14) \times$ Average Depth x 7.48

WATER LOSS

Length x Width x Inches of water lost x .625 = Gallons of water

WATER CHEMISTRY

IDEAL POOL CHEMICAL CONTROL

CONTROL	MIN. PPM	IDEAL	MAX. PPM
Chlorine, Free Chlorine	1.0	1.5	3.0
Chlorine with Cyanuric Acid	1.5	2.0	4.0
Bromine	1.5	2.5	5.0
pH	7.2	7.5	7.8
Total Alkalinity	60	120	200
Calcium Hardness	50	150	500
Cyanuric Acid	15	30	100
Dissolved Solids	0	200-1,000	1,500

NOTE: Check with your local Health Department for their water chemistry requirements in your area.

PARTS PER MILLION CALCULATION

FOR 100% CHEMICAL STRENGTH

Pool Volume (gallons) x 8.32 pounds per gallon = Pounds for 1 ppm
 1,000,000

FOR LESS THAN 100% CHEMICAL STRENGTH

P 1 pound of chlorine gas
 1 gallon of liquid chlorine (sodium hypochlorite)
 1.54 pounds of dry chlorine (calcium hypochlorite)
 1.8 pounds of S.D.I.C. (sodium dichlor)

SUPER CHLORINATION

Super chlorination = 10 times the weight of the chloramines.

SODA ASH — To maintain pH, add continuously 1.25 to 1.50 pounds of soda ash for each pound of chlorine gas used. Ideal soda ash solution is 3-6%, with a maximum solution of 12%.

SOLUTION TANK FORMULA — Soda ash tank gallons x 8.32 lbs. per gallon x desired soda ash solution percentage = pounds of soda ash for solution.

INFORMATION RESOURCES

CENTERS FOR DISEASE CONTROL (CDC) — www.cdc.gov

MODEL AQUATIC HEALTH CODE (MAHC)
www.cdc.gov/mahc

POOL & HOT TUB ALLIANCE — www.phta.org

CALIFORNIA DEPT. OF ENVIRONMENTAL HEALTH
www.cdph.ca.gov



(800) 223-5450

www.lincolnaquatics.com

LINCOLN AQUATICS

2051 Commerce Avenue, Concord, CA 94520

ph (800) 223-5450 / fax (888) 680-2825

int'l (925) 687-9500

#MKG-88-020