2010

COASTAL POND SUPPLY
COASTAL FOUNTAIN SUPPLY

**Pumps • Filters • Pond Kits • Lights • Lake Aerators
Water Treatments • Skimmers • Waterfalls
Pond Accessories • Floating Fountains**

**Toll Free: 1-800-782-6179 • Atlanta: 770-496-5740**

Online: www.coastalpond.com

2010 Catalog

When Coastal started in the commercial fountain business in 1988, we were based in a 400 square foot office space. Our catalog was the PEM catalog - approximately 1/8" thick. We are now in our 40,000 square foot warehouse with catalogs from over 350 manufacturers that total over 47 feet thick! We are very proud of this latest project of consolidating these tens of thousand of pages into a readable and usable catalog of the most important products for our market. Our primary goal is to have "Everything for the Pond that doesn't need to be fed," and "Everything for the Fountain except the water," and to have it for you in stock and at the right price. And, if you do not see what you need, remember - this is only a tiny fraction of the entire product line - please call and ask.
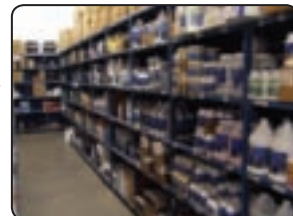
www.coastalpond.com

Our objectives also include doing everything that we can to help make you, our contractors and dealers, more profitable and more successful. We are only as successful as our customers - we are partners trying to help the homeowner have a better lifestyle thru water. We are here Monday thru Friday, 8:00 am - 5:30 pm Eastern Time to assist you with knowledge, advice, and of course, product. That is why we sell items individually, not just in cases. That is why we do not have a minimum order for our commercial customers. We are here to be part of the solution to any problem, and to grow with you as successful, ethical, businesses.

Note: The pricing in our catalog is **Manufacturers' Suggested List Price** as of March 2010. Please register on our website, **www.coastalpond.com** to get the fastest updates on our **TRADE DISCOUNT PRICING**.

FOUNTAIN DESIGNERS: Please note that this pond catalog only includes few of the many commercial fountain components made by PEM Fountain Co. Please contact Coastal for a separate designers' and specifiers' catalog of all of PEM products or visit

www.coastalfountain.com

Ordering Information
Local: 770-496-5740
Toll Free: 1-800-782-6179
1-888-PONDH2O
Online: www.coastalpond.com

Call-In Ordering
Seasonal Hours (March - September) 7:30 am - 6:00 pm EST Monday - Friday
Off Season Hours (October - February) 8:30 am - 5:30 pm EST Monday - Friday

Online Ordering Available 24 Hours a Day / 7 Days a Week
Interested in getting setup with our online shopping cart? E-mail us at accounts@coastalpond.com with your company contact information, upon verification we will respond back to you within 24 hours with your discount login to our web site. You will have access to the latest catalog pricing, promotions, order tracking and much more.

Order Shipment and Pick-up
Orders are available for pick-up from 8:30 am - 5:30 pm EST Monday - Friday. Most in-stock orders are shipped within 36 hours of placing an order.

Coastal Pond Supply & Coastal Fountain Supply

Table of Contents

Contact Information

Phone: Atlanta: 770-496-5740
Toll Free: 1-800-782-6179 or 1-888-PONDH2O
Fax: 770-270-1959

E-mail: info@coastalpond.com

Websites: www.coastalpond.com and www.coastalfountain.com

Technical Assistance

If you need additional assistance or support with your project, please feel free to fax us a drawing or hand sketch, and we will be pleased to provide you with technical support free of charge.

Small Order Fee

A $5.00 charge will be added to all *non-open account* customers for orders less than $25.00.

Discounts

To purchase products on a wholesale basis, Coastal requires a copy of your business license and, if in Georgia and tax exempt, a copy of your Georgia Sales Tax exemption form #ST-5.

Pricing

All prices are subject to change without notice. We are not responsible for typographical errors or printing errors. If you have a question on a price please call.

Delinquent Accounts

Overdue transactions will accrue a finance and/or service charge of 1.75% per month, with a $5.00 minimum.

Cancellation of Orders

Orders, once accepted, cannot be unilaterally canceled by Buyer.

Payment

Check with order, C.O.D., Visa, Mastercard, Discover, American Express or open account with Net 30. Credit cards may be subject to a handling fee. Minimum credit card charge: $25.00

Open Accounts

To establish an open account for your business, please fill out our credit application and return it to us. Processing takes approximately 2 weeks. You may request a zero line of credit if you wish to pay with credit card or COD. Establishing an account will make processing orders faster & easier, and will ensure that you get your proper trade discount.

Returned Checks

All returned checks will incur a $25.00 fee. We reserve the right to change your terms any time a check is returned.

Freight

F.O.B. for most orders is our warehouse in Tucker, GA. Special orders may be drop shipped to you directly from the factory to expedite delivery.

Shipping Methods

Unless otherwise specified, we ship UPS, FedEx or motor freight. Please advise if a delivery address is residential as additional freight charges may apply.

Claims or Damage

Please inspect your shipment carefully before acceptance. If the shipment appears to be damaged, and you refuse it, notify us immediately. If you accept the shipment, have the driver note the shortage or damage on the bill of lading prior to signing it. Once accepted, it becomes your responsibility to file any claim(s) with the carrier. No claims are allowed 24 hours after delivery.

Returns

All returns must be pre-appoved by Coastal's Return Department, and assigned a Return Goods Authorization number prior to being returned to us freight prepaid. A re-stocking fee of up to 25% will apply. There is no return on custom fabrication, special orders, or products held over 90 days. Credits will be issued against future purchases only. Goods returned WITHOUT an RMA will be refused and returned at shipper's expense.

Warranty Returns

All warranty returns must have a Returned Goods Authorization number assigned by Coastal's Returns Department. Warranty returns can either be shipped to the manufacturer or to Coastal, freight prepaid. Warranty returns will be either repaired or replaced at our, or the manufacturer's option. All freight is the responsibility of the customer. If credit is appropriate, it will be issued against future purchases only.

Per our Terms and Conditions, all merchandise remains the property of Coastal until the invoice is paid in full.

Responsibility: As Coastal and its suppliers do not control the application, handling, installation, and/or use of its products offered and sold, they do not assume any responsibility whatsoever for any or all claims, consequences, and/or conditions, arising out of the purchase, handling, installation, and/or use of its products offered and sold. The purchase of the products shall constitute acceptance in full of the conditions of sale by the purchaser, who assumes all responsibilities, whatever they may be.

Manufacturer Index

Some of the manufacturers we carry

Air-O-Lator Corporation · Alita · API Aquarium Pharmaceuticals · Aqua Control Water Features · Atlantic Water Gardens · Atlas Glove · Cal Pump Waterscape Systems · Carlisle · Danner Pondmaster · Dolphin Pumps · Freedom · Ecological Laboratories Inc. / Microbe-Lift · Emperor Aquatics, Inc. · Fafard · Fountain Pro · Firestone · Font'N-Aire · GC Tek · Jungle · GreenClean · Kichler Landscape Lighting · Kordon · Leader Pumps · Lifegard Aquatics · Little Giant Pump Company · Loki Nets · MARS Fishcare · Matala · PEM · Pentair · PerformancePro · Plantabbs · Pond Armor · ProLine · Ramuc · Savio · Sealoflex Waterproofing Systems · Sunterra · Tetra Pond

Thousands of products in-stock and ready to ship!

New for 2010

Little **GIANT** Pump Company

Little Giant® Pressurized Bead Filters
Improves filtration & promotes beneficial bacteria.

SEE PAGE 29 IN THE CATALOG

2"

2"

The new pressurized bead filter systems by Little Giant® improve filtration and promote the colonization of beneficial bacteria. Maintenance is a simple backwash with a pressure gauge and seven-way valve- no pads to hose off.

Install above or underground.

Three Different Sizes Available
MSRP: From $783.00

See page 29 in the catalog for details.

PL Liquid Clarifier Included

FEATURES:

* Fully assembled with biological media, unions & specialty bacteria
* Modular abilities yield greater flow with lower head loss
* Ideal for new or existing large-scale applications
* Safe for all types of water features, including water gardens & Koi ponds

DANNER **PONDMASTER**

Danner/ Pondmaster Hydrometer
The easy and accurate way to test the salt in your water.

SEE PAGE 90 IN THE CATALOG

FEATURES:

* Includes salinity and brakish water aquariums or ponds
* Easy to read and use
* Durable, clear acrylic

Only **$24.35**
MSRP

See page 90 in the catalog for details

Perfect Climate Floating/ Submersible Pond De-Icer
Will not harm or burn your pond liner.

The Perfect Climate Pond De-Icer is the first pond de-icer designed with every size pond in mind. All heating elements are enclosed in this thermostatically controlled device so it will not harm or burn your pond liner. An optional floater is included for use as a floating pond de-icer.

Only **$65.00**
MSRP

New for 2010

Little Giant® Flex Pumps
Designed for strength, power and durability.

SEE PAGE 37 IN THE CATALOG

Submersible or out of pond water use

The new "flexible" water feature pumps by Little Giant® are developed for optimum efficiency and long life.

There are five different sizes available to match virtually any application for use in or out of water.

Use with Little Giant skimmers, UV clarifiers and biological falls for optimum filtration.

Five Different Sizes Available

MSRP: From $261.00

See page 37 in the catalog for details.

FEATURES:

* Submersible or out of pond water feature pump
* Powers water features & pond filtration systems with flows from 1,000 GPH tp 8,7000 GPH
* Heavy-duty, stainless steel canned motor
* Clog-resistant design- Capable of passing solids
* Continuous duty rated- Operates in the most rigorous of feature applications
* Energy efficient encased motor- Uses only 106 to 730 Watts
* 25' Power cords
* Safe for all types of water features, including water gardens & Koi ponds

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Little Giant® Out-of-Pond Pumps
Converts to self-priming when used with Leaf Basket

OPWG-29	OPWG46	OPWG-71	OPWG-97
$407.00 MSRP	**$395.00** MSRP	**$626.00** MSRP	**$718.00** MSRP

Little Giant® Out-of-Pond Leaf Basket
Minimizes intake debris for Out-of-Pond Pumps.

SEE PAGE 43 IN THE CATALOG

FEATURES:

* Minimizes intake debris
* Acts as a priming chamber for out-of-pond pumps

Only $112.00

MSRP

See page 43 in the catalog for details

Aqua Control Shallow Pond Aerator Kit

Aerates water in bodies less than 6' deep.

SEE PAGE 45 IN THE CATALOG

Aqua Control's Shallow Pond Diffused Aeration systems are affordable and energy efficient. These kits are designed to aerate water bodies and release toxic gases in ponds up to two surface acres in size. They are UL listed and CE approved for outdoor operation and come with a 3-year warranty.

3 Year Warranty

FEATURES:

* Stainless steel diffuser base lands upright when placed in pond
* Increases oxygen levels and the breakdown of fish waste
* Allows toxic gases to escape when operated continuously in freezing climates
* Compressors are silent, oil-free, and don't require a protective housing
* Compressor housed in heavy aluminum rainproof enclosure
* Included manifold made of brass and stainless steel

Three Different Sizes Available

MSRP: From $499.00

See page 45 in the catalog for details.

Kichler Woodland Owl Bollard Light

Resin with hand-painted natural finish.

SEE PAGE 66 IN THE CATALOG

The Kichler Woodland Owl Bollard Light is a majestic, full sized Great Horned Owl perched on a tree segment with light located on the underside of a branch.

Dimensions: 15" W x 44.25"L

$375.00
MSRP

KICHLER
LANDSCAPE LIGHTING

New for 2010

Atlantic WATER GARDENS

Atlantic Big Bahama Pro FastFalls Series
Easily add a waterfall or stream to a new or existing water feature.

SEE PAGE 23 IN THE CATALOG

These incredibly strong one-piece units feature an internal baffling system, support cones and re-enforced spillway. The innovative "inside the liner" design and rear liner attachment, simplifies installation.

ATL-SP3800

$399.00
MSRP

ATL-SP1900

$199.00
MSRP

ATL-SP2600

$299.00
MSRP

FEATURES:

* Easily add waterfall to a new or existing water feature
* Comes with bulkhead, liner tape, foam cube (to reduce splash), & top grate for easily camouflaging
* Lifetime warranty on shell.

Atlantic WATER GARDENS

Atlantic Typhoon Air Pump
Indoor/ Outdoor and energy efficient.

SEE PAGE 44 IN THE CATALOG

Atlantic's NEW Typhoon indoor/outdoor, continuous duty diaphragm compressor is ideal for aeration in the summer months and winter time de-icing. Unlike floating de-icers that often fail in extreme temperatures and heavy snowfalls, the Typhoon will maintain a hole in the ice in the harshest conditions. Best of all, this energy efficient compressor draws only 25 watts of power!

$150.00
MSRP

Rebuild Kit
$20.00
MSRP

New for 2010

PondShark

Net, Rake & Scraper - All in One!
Ultimate Tool for the Water Gardener.

Designed to tear through algae and swallow debris, this versatile tool is a must-have for the water gardener. Sturdy construction and lightweight materials make it easy to handle. Scoops and lifts heavy objects from the bottom of the pond! Perfect for catching Koi, Comets, Shubunkins or any fast-moving aquatic creatures.

FEATURES:

* Hydrodynamic net
* Durable Poly-fiber Head
* Contoured Tines & Scraping Blade
* Telescoping Powder-Coated Steel Shafts

13"W x 37"L x 10"D

Only **$66.00**
MSRP
RG-501

Pro version **$88.00**
MSRP
RG-501P

RADIUS

Gator Grabber

Grab it. Dump it. Done.
Ultimate Back Saving Clean-up Tool.

Got a mighty mess to pick up? Let the Gator grab it! From leaves to litter, its powerful tooth lined jaws chomp down and hold almost anything. No need to bend and strain- simply grab it, dump it, and you're done!

FEATURES:

* Telescoping Handles
* Durable Poly-fiber Jaws
* Rinse to Clean
* Heavy duty Powder-Coated Steel Shafts

13"W x 37"L x 10"D

Great for fluffing compost!

No more worries!

Only **$74.79**
MSRP
RG-500

RADIUS

Atlantic WATER GARDENS

Atlantic Triton 3-Way Diverter & Check Valve
Looking for simplicity & innovation? Triton Delivers!

Atlantic's Triton Check Valve is the only check valve designed exclusively for the water garden industry.

ATL-TR215CV

Atlantic's 3-Way Diverter is the only manifold designed exclusively for pond-free fountain installations.

ATL-TR3WAY

Only **$25.00**
MSRP

Only **$70.00**
MSRP

The Extreme Pond Contractor Net Set
Designed & Manufactured for Pond Professionals.

SEE PAGE 97 IN THE CATALOG

This rugged four-piece net set features a 6' x 1' yellow fiberglass handle that uses beefy aluminum connector blocks to attach the net head to the handle. The three heads are fitted with connector blocks and are built on a unique Monorail™ system which protects the netting while scraping over rough gravel or rock bottoms.

FEATURES:

* 6' x 1' fiberglass handle
* 18" shallow Pro Koi Net
* 16" x 16" Pond Utility Net
* 12" x 15" Triangle Skimmer Net
* Engineered for a lifetime of heavy use

All nets have 1/4" knotless Ace nylon netting.

Complete Set Only
$141.30
MSRP

Matala "Muck Buster" Pond Vacuum II
Easily removes algae, sludge & dead plants with 2 HP engine

SEE PAGE 17 IN THE CATALOG

In suction tests, the Matala Pond Vac II is four times more powerful than its competition with a suction lift 5' above water!

Auto fill and drain cycles allow water to fill the vacuum cannister, then simply discharge water into garden beds or use the mesh bag to caputre coarse debris before returning water back into the pond.

2 H.P.

FEATURES:

* 4 x more powerful than the competition
* Safe for use in fish ponds and water gardens
* Removes pond debris up to 3/8" in diameter

Good pond hygiene reduces algae growth and improves fish health.

Only $329.98
MSRP

New for 2010

Atlantic™
WATER GARDENS

Atlantic SOL Pond Lights Pro Series Kit
The smallest, most powerful "bullet" style submersible light available.

SEE PAGE 74 IN THE CATALOG

FEATURES:
* Open air or underwater
* Anodized aluminum body
* 4-way splitter compatible with all SOL Lighting models

Complete Light Kit w/ Transformer
$100.00
MSRP

Light Kit Only
$70.00
MSRP

20 Watt Transformer
$40.00
MSRP

Little **GIANT** Pump Company

Little Giant® Solar LED EggLite Kit
20 hours of run time on a full charge.

SEE PAGE 72 IN THE CATALOG

FEATURES:
* Fully submersible lights & cord
* Weather resistant solar panel with 10' cord
* Lithium Polymer battery can power up to 6 EggLites
* Automatically turns on and off

Complete Light Kit w/ Two LED Lights (white)
$84.99
MSRP

Two-Pack LED EggLites
Blue, Red, Green or White
$39.99
MSRP

Mr. Sticky's Underwater Glue
Will cure underwater, sets in 1-2 hours!

SEE PAGE 11 IN THE CATALOG

Adheres to and firmly bonds to PVC, vinyl, polyurethane, ABS, glass, wood, metals, plastics, masonry, concrete, fiberglass, tile, ceramics, and countless other materials. It can stretch to 108% of its' original length without separating. Bonds rigid and flexible objects under wet or dry conditions.

Dispenser Gun

1oz /$16.48 MSRP
2oz /$37.38

Practical applications include bonding PVC fittings to old, rusty pipes, repairing vinyl lawn furniture, and repairing inflatable boats.

$87.98
MSRP

New for 2010

Danner/ Pondmaster Light Ring & Jet
Creates a spectacular, lighted fleur de lis display!

SEE PAGE 57 IN THE CATALOG

18 LEDs
$134.61
MSRP

FEATURES:
* Low voltage transformer w/ 15' cord
* 1-year warranty

24 LEDs
$170.51
MSRP
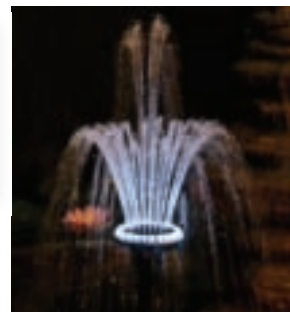
CARLISLE GeoEPDM Pond Liner
The leading single-ply membrane manufacturer.

SEE PAGE 5 IN THE CATALOG

FEATURES:
* Use in recreational, commercial aquaculture, and industrial water containment applications
* Safe for fish and aquatic creatures
* EPDM approved safe for potable drinking water

Why settle for less when you can have the best?
Over 40 years of commercial and industrial application experience.

GreenClean
A worry-free algaecide that works instantly on your toughest algae.

SEE PAGE 87 IN THE CATALOG FOR PRICING

GreenClean does not harm fish and aquatic life and starts working instantly. GreenClean immediately begins fighting algae blooms, releasing vital oxygen into the water as it biodegrades. SAFE for Koi and other pond fish and Aquatic Plants.

New for 2010

Alita Air Diffusers

Suitable for aquarium, Koi pond, fish hatchery & aquaculture applications.

SEE PAGE 44 IN THE CATALOG

FEATURES:

* Durable & reusable air diffusing media
* Applicable in acidic or alkaline waters (low or high pH

1.2" x 9"
$22.50
MSRP

Inline Strainers & Washable Cartridge Filters

Suitable for aquarium, Koi pond, fish hatchery & aquaculture applications.

L-LP030002
$36.30
MSRP

Leader Inline Strainers are the *ultimate* for cleaning water. The extremely fine, washable, 60 micron net size cartridges guarantee exceptional results.

For use with hydroponic irrigation systems, rain curtains & filter falls.

L-LP030001
$31.90
MSRP

L-P1591053
$13.20
MSRP

L-P1591052
$11.00
MSRP

Kichler Gate House Spitter/Pond Light

Submersible fish casts light from his tail fin.

Submersible, decorative fish casts a soft light from his tail fin, in or near a pond or water feature. Pump ready to create a gentle stream of water.

$587.50
MSRP

KICHLER
LANDSCAPE LIGHTING

Notes

CARLISLE

Carlisle SynTec

MADE IN THE USA
Why settle for less, GO FOR THE BEST!

CARLISLE: The *leading* single-ply membrane manufacturer with more than 40 years of commercial and industrial application experience.

EPDM Rubber Liner

Carlisle's GeoEPDM Pond Liner is a 45-mil thick elastomeric waterproofing liner for use in recreational, commercial aquaculture, and industrial water containment applications. It is fish-safe and is the only EPDM approved for potable drinking water. Has exceptional resistance to solar UV, ozone and oxidation.

Call for pricing

Stock Rolls			Cut to Order	
50' Rolls	**100' Rolls**	**200' Rolls**		
5' x 50'	5' x 100'	5.5' x 150'	Cut to order	5' width
10' x 50'	10' x 100'		Cut to order	10' width
15' x 50'	15' x 100'		Cut to order	15' width
20' x 50'	20' x 100'		Cut to order	20' width
25' x 50'	25' x 100'		Cut to order	25' width
30' x 50'	30' x 100'		Cut to order	30' width
35' x 50'	35' x 100'			
40' x 50'	40' x 100'			
50' x 50'	50' x 100'			

ALL LINER SIZES LISTED ABOVE ARE NORMAL STOCK ITEMS.

EPDM Seam Splice Tape

Double-sided sticky tape used to splice together two EPDM rubber liners.

PRODUCT	DESCRIPTION	LIST PRICE
LINER-E-T-3D25	3" x 25' roll	**37.80 / roll**
LINER-E-T-3DH	3" x 100' roll	**112.50 / roll**

EPDM Seam Cover Strip

Single-sided sticky tape for seaming EPDM liners together. Excellent for repairing holes in EPDM, Hardshell ponds, etc.

PRODUCT	DESCRIPTION	LIST PRICE
LINER-E-T6XFT	6" x ft.	**5.99 / ft.**
LINER-E-T6X025	6" x 25' roll	**123.78 / roll**
LINER-E-T6X100	6" x 100' roll	**495.00 / roll**

Liners, Underlayment & Accessories

EPDM Liner Installation & Repair Accessories

Quickclean removes tar, oil, grease and paint from most surfaces. All you do is brush it onto the surface and leave for several minutes to loosen & dissolve the gunk, then rinse well with water using a power washer or hose nozzle. But, until you mix this with water, this substance is HIGHLY FLAMMABLE! Great for Cleaning Liner.

PRODUCT	DESCRIPTION	LIST PRICE
SEAL-04500	1 Gal Quickclean	96.54

Primers

PRODUCT	DESCRIPTION	LIST PRICE
LINER-E-QP-032	1 Qt Quickprime Plus	55.66
SEAL-00550	1 Gal Sealobond WB Primer	85.80
SEAL-00650	5 Gal Sealobond WB Primer	328.90

SEAL-00550

SEAL-00650

Liquid Adhesive & Sealant

PRODUCT	DESCRIPTION	LIST PRICE
LINER-E-2375	1 Gal 2375 Bonding Adhesive	68.48
LINER-E-CAULK	Tube Lap Sealant for EPDM	16.60
LINER-E-7877	22 oz Spray Adhesive	22.00

LINER-E-7877

LINER-E-2375

LINER-E-CAULK

EPDM Quickseam Pipe Flashing

Designed for flashing of round penetrations. Fits various sized penetrations when cut to the correct size.

PRODUCT	DESCRIPTION	LIST PRICE
LINER-E-BOOT16	Pipe boot for pipe penetrations from 1-6"	52.50

Pond Liner Racks

PRODUCT	DESCRIPTION	LIST PRICE
RACK-LINER-3R	Three Roll Liner Rack End Set	550.00
RACK-LINER-3RP	2" Pipe Set for Three Roll Rack	370.00
RACK-LINER-4	Single 2" x 90" Black Pipe	70.00

Termination Bar - Uses to attach liner to concrete

PRODUCT	DESCRIPTION	LIST PRICE
LINER-E-TBAR	10' Termination Bar	15.00

Firestone

Permalon® Liner X210

Industrial 20 mil cross grain polyethylene laminate for maximum durability with rugged strength.
The material is composed of twelve distinct layers and is cross laminated at 45 degree angles.
Light weight for easy handling. Available in sizes up to 1 acre.
Call for quote on 10,000 sq. feet and over.
Call for current liner pricing

Stock Roll Sizes								
4' x 100'	4' x 400'	6' x 300'	8' x 100'	12' x 100'	16' x 100'	20' x 100'	24'x 100'	32' x 200'

PERMALON® Liner Repair Tape

PRODUCT	DESCRIPTION	LIST PRICE
LINER-TAPE-2-F	1 1/2" "Double Sticky" Tape	56.70 - 100 ft
LINER-TAPE-4-F	Pondweld 4" Tape	75.02 - 50 ft

Liner Underlayment
Stock Underlayment 6 oz. Geotextile

Protect your liner from sharp objects with Coastal's very own quality underlayment. Industrial non-biodegradable underlayment, designed to protect any liner from sharp rocks, roots, etc., under the liner. Material will not attract roots.

PRODUCT	DESCRIPTION	LIST PRICE
UL-BLK-050X150	Black Underlayment 5' x 150'	167.50 / Roll
UL-BLK-050X300	Black Underlayment 5' x 300'	322.50 / Roll
UL-BLK-10X150	Black Underlayment 10' x 150'	334.96 / Roll
UL-BLK-10X300	Black Underlayment 10' x 300'	645.00 / Roll

Heavy Duty Underlayment 250 Mil

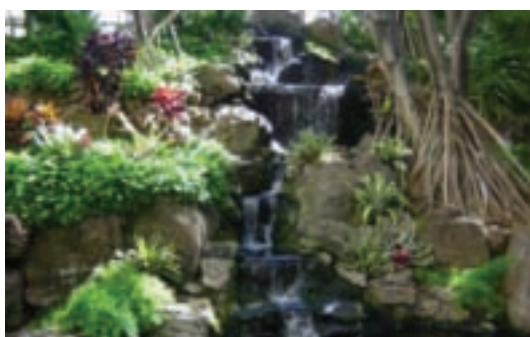Protect your liner from sharp objects with Coastal's very own quality underlayment. Industrial non-biodegradable underlayment, designed to protect any liner from sharp rocks, roots, etc., under the liner. Material will not attract roots.

PRODUCT	DESCRIPTION	LIST PRICE
ULGREEN26X36FT	250 Mil Underlayment, Green 26" x 36'	38.50
ULGREEN52X120FT	250 Mil Underlayment, Green 52" x 120'	349.65

Coastal Pond Supply & Coastal Fountain Supply

Contractor's Corner

Pond Armor

Pond Armor is a non-toxic two part epoxy sealer designed specifically for sealing concrete, steel, and wood, with a thick durable coating. You get all the water proofing of a liner without the wrinkles.
• Easy to apply - No special equipment needed, just brush or roll on
• Flexible - Pond shield remains flexible from 78°F to 140°F
• Durable - Unlike other sealers, Pond Shield bonds to the sustrate rather than just covering it.
• Beautiful - Provides a smooth, hard finish with no wrinkles or folds
• Quick curing
• 60 sq ft coverage per 1 1/2 qt kit
• Fish Safe!

SHIPS VIA UPS

PRODUCT	DESCRIPTION	WEIGHT	CASE QTY.	LIST PRICE
POND-SHIELD-BLACK-0.3	Pond Shield, Black 1-1/2 qt.	6 lbs.	4 / CS	**103.94 ea**
POND-SHIELD-GREY-0.3	Pond Shield, Gray 1-1/2 qt.	6 lbs.	4 / CS	**103.94 ea**
POND-SHIELD-BLUE-0.3	Pond Shield, Competition Blue 1-1/2 qt.	6 lbs.	4 / CS	**103.94 ea**
POND-SHIELD-CLEAR-0.3	Pond Shield, Clear 1-1/2 qt.	6 lbs.	4 / CS	**103.94 ea**

Custom colors are available - 10 kit minimum

Concrete Waterproofing Compounds

SEALOFLEX® Products

Sealoflex® CT

Highly elastic waterproofing custom made liquid rubber coating. Solvent borne single component.

• Waterproof masonry, ponds & fountains over screwheads, seams and penetration flashings
• UV & Ozone resistant
• Fast curing and may be applied at low temperatures
• Adheres to almost any roof or wall substrate (including stucco, concrete, metal, brick, wood, asphalt, etc.)
• Use with Sealoflex fabric
• Color: Black, White - Custom colors available
• May be applied by brush, roller, or sprayer
• Uses: Ponds • Decks • Walls • Below Grade
• Solutions in Waterproofing
CT Can only be shipped MOTOR FREIGHT!

Coverage:
3 Coats per application are required. Unreinforced over smooth surface - 50 sq. ft. / gallon. Full system using reinforcing fabric - 25 sq. ft. / gallon.

PRODUCT	DESCRIPTION	SIZE	LIST PRICE
SEAL-19526	CT Black	1 GAL	**103.68**
SEAL-19626	CT Black	5 GAL	**468.34**
SEAL-19500W	CT White	1 GAL	**103.68**
SEAL-19600W	CT White	5 GAL	**468.34**

Contractor Supplies

Sealoflex® Polyester Fabric

Stitch bonded & knit fabric. Reinforces Sealoflex® CT for excellent waterproofing over cracking masonry.

Allows for repair of cracks where additional ground shifting has occurred.

PRODUCT	SIZE	LIST PRICE
SEAL-13031	6" x 300 ft. Roll	78.66
SEAL-13040	40" x 300 ft. Roll	457.60

Sealoflex® Sealoment Plus for Water Proofing

A dry form primer made up of a mixture of inorganic compounds in a portland cement based medium. Sealoment Plus reacts with the lightweight concrete to seal and harden the surface and provide for an effective bonding substrate for the application of the Sealoflex CT System.

PRODUCT	SIZE	LIST PRICE
SEAL-18902	50 lbs Bag	139.44

Sealoflex® Sealopatch General Purpose Repair Motar

Sealopatch is an easy to use, Portland cement based single component thixotropic patching and repair mortar. It is supplied as a gray powder and is simply mixed with water to form a trowelable mortar.

PRODUCT	SIZE	LIST PRICE
SEAL-18902	50 lbs Bag	78.66

FIBERMESH - Use Fibermesh to make good concrete stronger!
Concrete Strengthener Additive

Fibermesh fibers are engineered exclusively for concrete use and manufactured in fibrillated form - (bundles of interconnected strands). When these bundles are added to the concrete mix at the rate of 1-1/2 lbs per cubic yard, the mixing action causes them to open and separate into millions of individual fibers. These fibers are uniformly distributed throughout the concrete in all directions, providing effective secondary reinforcement for shrinkage & crack control. As the concrete hardens and shrinks, microscopic cracks develop. When the micro-cracks intersect a Fibermesh strand, they are blocked and prevented from developing into macro-cracks and potential problems.

- Inhibits Plastic Cracking
- Reduces Permeability
- Greater Impact Resistance
- Provides Shatter Resistance
- Adds Post Crack Toughness
- Adds Abrasion Resistance
- Building Code Compliance
- Certified by UL & Omega Laboratories
- Fire Rated - Floors and Ceilings
- Proven in Composite Deck Systems
- Rust and Alkali Proof
- Alternate System to Wire Mesh

PRODUCT	SIZE	TREATS	LIST PRICE
FIBERMESH159	1.5 lb.	1 Cubic Yd. Concrete	15.11

TODOL® PUR Black Foam

Pur Black NF foam fills and seals cracks between rocks, waterfalls, and streambeds. Perfect for small or large jobs. Use for waterproofing, insulating or filling voids. It is tack-free in fifteen minutes, and can be trimmed in forty-five minutes.

PRODUCT	DESCRIPTION	SIZE	LIST PRICE
TOD-BF01	Pur Black Foam - Fits Gun	32 oz.	36.54
TOD-BF16	Pur Black Foam w/ Straw	16 oz.	14.64
TOD-SHO1	Foam Gun	n/a	76.50
TOD-GC01	Cleaner For Guns	20 oz.	27.90

Contractor Supplies

Contractor's Corner

Vinyl Tubing

For fountain statuary as well as pond applications, vinyl tubing by the box. We also stock a selection of tubing restrictors & clamps. For larger sizes see contractor hose.

Black color blocks algae growth in the tubing

Also available in clear - See our website www.coastalpond.com

Black Thin Wall Vinyl Tubing

PRODUCT	ID	OD	PER BOX	LIST PRICE
TUBING-B-025	1/4"	3/8"	100'	33.00
TUBING-B-026	1/4"	7/16"	100'	33.00
TUBING-B-037	3/8"	1/2"	100'	29.70
TUBING-B-050	1/2"	5/8"	100'	36.30
TUBING-B-062	5/8"	3/4"	100'	55.00
TUBING-B-075	3/4"	7/8"	100'	63.80
TUBING-B-100	1"	1 1/4"	100'	159.50
TUBING-B-120	1 1/4"	1 1/2"	100'	264.00

Black Thick Wall Vinyl Tubing

PRODUCT	ID	OD	PER BOX	LIST PRICE
TUBING-B-025	1/4"	1/2"	100	49.50
TUBING-B-037	3/8"	5/8"	100	64.90
TUBING-B-050	1/2"	3/4"	100	97.90
TUBING-B-067	5/8"	7/8"	100	104.50
TUBING-B-075	3/4"	1"	100	108.90
TUBING-B-100	1"	1 3/8"	50	74.25

Danner Kink-Free Hose

DANNER **PONDMASTER**

PRODUCT	SIZE	LENGTH	LIST PRICE
DAN-12411	1-1/4"	100'	301.80

CAL Kink-Free Reinforced Hose

CAL PUMP Waterscape Systems

PRODUCT	SIZE	LENGTH	LIST PRICE
CAL-11810	1"	100'	139.99
CAL-11815	1 1/2"	100'	199.99
CAL-11820	2"	50'	199.99

CAL Kink-Free Hose - FACTORY INSTALLED FITTINGS

PRODUCT	SIZE	LENGTH	LIST PRICE
CAL-TK1.0	1"	10'	32.99
CAL-TK1.5	1 1/2"	10'	42.99

Coastal Contractor Hose

Manufactured exclusively for Coastal, our contractor hose is made of high quality black spiral (not corrugated) polyethylene. It is insect, root & UV resistant, extremely durable, flexible and virtually crush-proof. Smooth bore interior allows for unrestricted maximum flow. For low-pressure applications only. Perfect for waterfalls and streambeds.

PRODUCT	SIZE	LENGTH	LIST PRICE
HOSE-CGB1.0X50	1"	50'	77.98
HOSE-CGB1.2X25	1 1/4"	25'	47.50
HOSE-CGB1.2X50	1 1/4"	50'	94.98
HOSE-CGB1.5X25	1 1/2"	25'	50.10
HOSE-CGB1.5X50	1 1/2"	50'	100.08
HOSE-CGB2.0X50	2"	50'	159.16
HOSE-CGB2.5X50	2 1/2"	50'	207.90
HOSE-CGB3.0X50	3"	50'	344.50

*Full rolls, all sizes, except 3" have (1) factory sealed leakproof cuff on one end only.

Use hose cuffs & sealant for a water tight seal! See Page 11

Hose Cuffs for Coastal Contractor Hose

PRODUCT	SIZE	LIST PRICE
HOSE-CUFF-B1.0	1"	4.06
HOSE-CUFF-B1.2	1 1/4"	4.27
HOSE-CUFF-B1.5	1 1/2"	4.57
HOSE-CUFF-B2.0	2"	4.79
HOSE-CUFF-B2.5	2 1/2"	8.42

GL-200 – Mr. Sticky's Bonds Underwater

An all-purpose glue bonds virtually anything, anywhere–even underwater. Affixes to PVC, ABS, glass, wood, metals, plastic, masonry, and ceramics. Bonds PVC directly to copper, galvanized metals, black tubing, or old rusty pipes.

PRODUCT	DESCRIPTION	LIST PRICE
GLUE-MRSTICKY-1OZ	Underwater Glue 1oz	16.48
GLUE-MRSTICKY-2OZ	Underwater Glue 2oz	37.38
GLUE-MRSTICKY-GUN	Dispensing Gun	87.98
GLUE-MRSTICKY-ADAPT	Caulking Gun Adapter	16.48
GLUE-MRSTICKY-TIPS	Mixing Tubes	16.48

Stainless Steel Clamps

PRODUCT	SIZE	WALL	LIST PRICE
CLAMP-06	1/2"	Thin	1.18
CLAMP-08	1/2"	Thick	1.46
CLAMP-12	3/4"	Thick	1.62
CLAMP-16	1"	Thin	1.58
CLAMP-20	1 1/4"	Thin	1.64
CLAMP-28	1 1/2"	-	1.64
CLAMP-32	2"	-	1.67
CLAMP-40	2 1/2"	-	1.96
CLAMP-56	3"	-	2.77

Hose cuffs & E6000 adhesive are used to provide a watertight seal with Coastal contractor hose and barb pvc fittings

Sealant E6000 (For attaching hose cuffs)

PRODUCT	SIZE	LIST PRICE
Clear		
E6000-01CLEAR	1 oz.	7.25
E6000-03.75CLEAR	3.7 oz.	10.22
E6100-THICKCLEAR	10 oz	16.69
Black		
E6000-03.75BLACK	3.7 oz.	10.89
E6000-10BLACK	10 oz.	17.79

* Cartridge Style Only

Stainless Steel Tubing Restrictors

Use these clamps to "fine-tune" or restrict the flow to your fountain or spitter. Available for tubing sizes from 3/4" to 1 1/8".

PRODUCT	SIZE	LIST PRICE
CLAMP-TUBING 30	3/4"	5.25
CLAMP-TUBING 60	1 1/8"	18.25

Coastal PVC Flex Hose

• Easier to hide than rigid pipe. • Reduces plumbing joints and the leaks that come with them. • Saves installation time and increases productivity. • Higher freeze tolerance than rigid PVC• Glues to standard PVC fittings • Black color makes it easy to hide. Should not be buried in the ground due to potential insect damage. Use where higher pressure requirements preclude the use of standard contractor hose.

PRODUCT	DESCRIPTION	PER FT.	LIST PRICE
HOSE-PVCFLEX10	1" x 50'	1.96	88.99
HOSE-PVCFLEX12	1 1/4" x 50'	2.36	107.39
HOSE-PVCFLEX15	1 1/2" x 50'	2.66	117.96
HOSE-PVCFLEX20	2" x 50'	3.85	174.99
HOSE-PVCFLEX30	3" x 50'	6.29	284.99
HOSE-PVCFLEX40	4" x 50'	21.17	960.24
HOSE-PVCFLEX05	1/2" x 100'	1.32	120.00
HOSE-PVCFLEX07	3/4" x 100'	1.65	150.05
HOSE-PVCFLEX19	2" x 100'	3.85	339.98
HOSE-PVCFLEX29	3" x 100'	6.29	549.98

Coastal Pond Supply & Coastal Fountain Supply

Contractor's Corner

PVC Fittings   For our complete line of fittings visit www.coastalpond.com

Coastal PVC fittings are stocked in too many configurations to list them all here, but we'd like to say this… whatever the application, if it isn't in our warehouse, we can certainly find it for you! We stock a full range of PVC-40 and PVC-80 products, including a wide array of Flange fittings and Unions. We even stock black PVC for those who want to disguise their plumbing!

There are five types of "connections":
•   Male (MIPT) = outside threads, like a threaded pipe • Female (FIPT) = inside threads, what the threaded pipe would screw into. (Note: FIPT = Female International Pipe Thread, an industry standard.) Socket (S) = smooth inside, what a smooth PVC pipe slips into. (formerly called "slip") • Spigot (SP) = smooth outside, slips into a Socket(s) fitting, same size as plain PVC pipe
• Insert (INS) = barbed to slide inside tubing or hose

Coastal stocks fittings to go from "anything to anything", 1/2" to 3" and LARGER! We need to know very specifically either:
•   What you are going from and to. Example: "I need to connect a 1/2" male pump discharge to a 1 1/2" hose", or:
•   What you actually need. Example: "I need a 1/2" female by 1 1/2" insert."

FERNCO ® Fittings

Coastal Pond carries a very large selection of FERNCO fittings. Because of their quality and ease of installation, Fernco flexible couplings are considered the standard in the industry among plumbing contractors and municipalities. Made of tough elastomeric PVC, they are strong, resilient, and unaffected by soil conditions. They are also resistant to chemicals, ultraviolet rays, fungus growth, and normal sewer gases due to the physical properties of the material. Fernco makes the most complete line in the industry, from sizes of 1-1/4" to 27". They can connect any two pipes.

Call for pricing and availability on specific FERNCO fittings.

Oops! Cut your pipe too short??

PVC40 Pipe SPIGOT x Pipe

PRODUCT	DESCRIPTION	LIST PRICE
PVC PM0.7PXSP	3/4" Pipe Extender	3.71
PVC PM1.0PXSP	1" Pipe Extender	4.69
PVC PM1.5PXSP	1 1/2" Pipe Extender	5.74
PVC PM2.0PXSP	2" Pipe Extender	6.45
PVC PM3.0PXSP	3" Pipe Extender	14.93
PVC PM4.0PXSP	4" Pipe Extender	21.95

PVC40 Fittings - Inside Couplers

PRODUCT	DESCRIPTION	LIST PRICE
PVC PM1.0PXP	1" Inside Coupler	2.86
PVC PM1.5PXP	1 1/2" Inside Coupler	3.75
PVC PM2.0PXP	2" Inside Coupler	4.42

FxS   FxF

Bulkheads
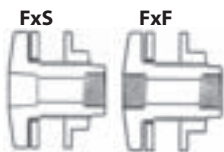
PRODUCT	DESCRIPTION	LIST PRICE
BH05EB-FS	1/2" Economy Black PVC FxS	7.84
BH07EB-FS	3/4" Economy Black PVC FxS	8.94
BH10EB-FS	1" Economy Black PVC FxS	9.82
BH15EB-FS	1 1/2" Economy Black PVC FxS	10.98
BH15EBHH	1 1/2" Hex Head Black PVC FxS	22.24
BH20EB-FS	2" Economy Black PVC FxS	14.29
BH20EBHH	2" Hex Head PVC FxF	23.54
BH30PB-HEX	3" Bulkhead FxF Hex Head	52.30
BH30PB-FF	3" Black Poly Round FxF	66.00
BH40PB-FF	4" Black Poly FxF	133.10

Threaded Nipples

PRODUCT	DESCRIPTION	LIST PRICE
PVC80-880-005	1/4" Close	1.03
PVC PE P42-005	1/2" Polyethylene Close	1.03
PVC PE P43-005	3/4" Polyethylene Close	1.21
PVC80-884-005	1" Close	1.71
PVC80-885-005	1 1/4" Close Threaded	2.49
PVC80-886-005	1 1/2" Close Threaded	2.72
PVC80-887-005	2" Close Threaded	3.56
PVC80-889-005	3" Close Threaded	14.56
PVC80-890-005	4" Close Threaded	23.77

*Longer Lengths Available

PVC40 Socket x Insert

PRODUCT	DESCRIPTION	LIST PRICE
PVC40 474-005	1/2" Soc x Insert	2.25
PVC40 474-007	3/4" Soc x Insert	2.71
PVC40 474-010	1" Soc x Insert	2.86
PVC40 474-012	1 1/4" Soc x Insert	4.54
PVC40 474-015	1 1/2" Soc x Insert	5.04
PVC40 474-020	2" Soc x Insert	9.31
PVC40 474-030	3" Soc x Insert	27.80
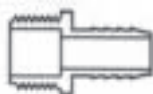
PVC MIPT x Insert

PRODUCT	DESCRIPTION	LIST PRICE
PVC1436-005	1/2" MIPT x Insert	1.14
PVC1436-007	3/4" MIPT x Insert	1.39
PVC1436-010BP	1" MIPT x Insert	1.93
PVC1436-012BP	1 1/4" MIPT x Insert	2.54
PVC1436-015BP	1 1/2" MIPT x Insert	3.90
PVC1436-020BP	2" MIPT x Insert	5.17
PVC1436-030BP	3" MIPT x Insert	16.65
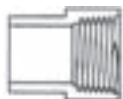
PVC40 Spigot x FIPT Adapter

PRODUCT	DESCRIPTION	LIST PRICE
PVC40 478-005	1/2" Spigot x Female	0.89
PVC40 478-007	3/4" Spigot x Female	1.05
PVC40 478-010	1" Spigot x Female	1.65
PVC40 478-012	1 1/4" Spigot x Female	2.32
PVC40 478-015	1 1/2" Spigot x Female	2.86
PVC40 478-020	2" Spigot x Female	4.20
PVC40 478-030	3" Spigot x Female	14.25
PVC40 478-040	4" Spigot x Female	23.65

PVC40 SPIGOT x Insert

PRODUCT	DESCRIPTION	LIST PRICE
PVC40 460-005	1/2" Spigot x Insert	2.47
PVC40 460-007	3/4" Spigot x Insert	3.24
PVC40 460-010	1" Spigot x Insert	3.38
PVC40 460-012	1 1/4" Spigot x Insert	3.50
PVC40 460-015	1 1/2" Spigot x Insert	3.76
PVC40 460-020	2" Spigot x Insert	6.23
PVC40 460-030	3" Spigot x Insert	21.08

Conversion PVC MIPT x Insert Fittings
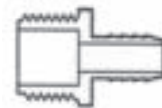
PRODUCT	DESCRIPTION	LIST PRICE
PVC1436-073BP	1/2" MIPT x 3/8" Insert	1.51
PVC1436-074	3/4" MIPT x 3/4" Insert	3.60
PVC1436-101BP	3/4" MIPT x 1/2" Insert	2.77
PVC1436-102	3/4" MIPT x 1" Insert	3.75
PVC1436-132	1" MIPT x 1 1/4" Insert	4.53
PVC1436-133	1" MIPT x 1 1/2" Insert	6.82
PVC1436-169BP	1 1/4" MIPT x 1 1/2" Insert	4.84
PVC1436-212	1 1/2" MIPT x 1 1/4" Insert	5.17
PVC1436-213	1 1/2" MIPT x 2" Insert	8.76
PVC1436-251BP	2" MIPT x 1 1/2" Insert	6.49
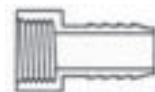
PVC FIPT x Insert

PRODUCT	DESCRIPTION	LIST PRICE
PVC1435-005	1/2" FIPT x Insert	5.04
PVC1435-007	3/4" FIPT x Insert	5.47
PVC1435-010	1" FIPT x Insert	6.08
PVC1435-012	1 1/4" FIPT x Insert	7.46
PVC1435-015	1 1/2" FIPT x Insert	9.48
PVC1435-020	2" FIPT x Insert	15.99
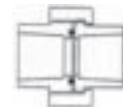
S x S PVC 40 Unions

PRODUCT	DESCRIPTION	LIST PRICE
PVC40 457-010	1" Union Soc x Soc	8.06
PVC40 457-015L	1 1/2" Union Soc x Soc	17.95
PVC40 457-020L	2" Union Soc x Soc	18.57
PVC40 457-030L	3" Union Soc x Soc	81.59
PVC40 457-040L	4" Union Soc x Soc	112.99

Valves

Ball Valves

PRODUCT	DESCRIPTION	LIST PRICE
V-BARB050A	1/2" Barb x Barb Valve	2.92
V-BARB062A	5/8" Barb x Barb Valve	3.62
V-BARB075A	3/4" Barb x Barb Valve	6.88
V-BARB100A	1" Barb x Barb Valve	8.92
V-B-S12	1 1/4" PVC Ball Valve SxS	5.64
V-B-S15	1 1/2" PVC Ball Valve SxS	7.54
V-B-S20	2" PVC Ball Valve SxS	14.52
V-B-S30	3" PVC Ball Valve SxS	62.54
V-B-S40	4" PVC Ball Valve SxS	107.76

Contractor Supplies

Valves

3 Way Valves SxSxS

PRODUCT	DESCRIPTION	LIST PRICE
PENT263037	1 1/2" - 2" 3 Way PVC	49.40
PENT263028	2" - 2 1/2" 3 Way PVC	58.84

Check Valves
Prevents backflow of water
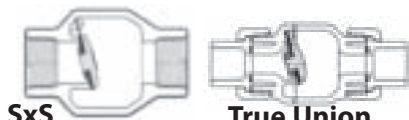
SxS   **True Union**

PRODUCT	DESCRIPTION	LIST PRICE
V-CK012C	1 1/4" Clear Swing Check	25.38
V-CK015TUS	1 1/2" PVC True Union Sw.	25.72
V-CK020TUS	2" PVC True Union Sw.	38.86
V-CK030TUS	3" PVC True Union Sw.	82.26
V-CK040N	4" PVC Check Valve	96.66

CALL FOR MORE SIZES

Brass Gate Valves FxF

PRODUCT	DESCRIPTION	LIST PRICE
V-GATE-005	1/2" Brass Gate Valve	14.40
V-GATE-007	3/4" Brass Gate Valve	19.20
V-GATE-01	1" Brass Gate Valve	25.20
V-GATE-012	1 1/4" Brass Gate Valve	33.32
V-GATE-015	1 1/2" Brass Gate Valve	43.20
V-GATE-020	2" Brass Gate Valve	62.28
V-GATE-030	3" Brass Gate Valve	146.30
V-GATE-040	4" Brass Gate Valve	174.72

Economy Paddle / Knife Valves

PRODUCT	DESCRIPTION	LIST PRICE
V-V7101	1 1/2" SXS Black ABS	17.00
V-V7201	2" SXS Black ABS	26.70
V-V7301	3" SXS Black ABS	32.78
V-V6401	4" SXS PVC/SS Paddle	128.10
V-V6601	6"PVC S x S	523.86

Quick Connects
Cam Locks Female
Coupling x FIPT

PRODUCT	DESCRIPTION	LIST PRICE
CAMLOCK-PF1.5	1 1/2" FIPT Poly Camlock	26.28
CAMLOCK-PF2.0	2" FIPT Poly Camlock	31.06
CAMLOCK-PF3.0	3" FIPT Poly Camlock	48.76

Male Coupling x FIPT

CAMLOCK-PM1.5	1 1/2" Poly Camlock	8.98
CAMLOCK-PM2.0	2" FIPT Poly Camlock	10.60
CAMLOCK-PM3.0	3" FIPT Poly Camlock	26.12

CPS Fittings

Pond Construction Accessories

PRODUCT	DESCRIPTION	LIST PRICE
CPS56668	Y-Distributor - Inlet 1x2", Outlet 2x 1 1/2" BARB	39.98
CPS57154	Tradux Wall & Liner transition - Hose diameter 3/4" - 2"	39.98
	*While supplies last	

CPS56668

CPS57154

Tetra Pond® Bottom Drain T-16360

- Dome-like shape designed to force debris and waste to flow into a collection area, while preventing debris from settling on top of drain
- Made of high impact, climate proof plastic
- Attaches to 3" PVC fittings (not included)

For use with
Liner Ponds

PRODUCT	DESCRIPTION	LIST PRICE
T-16360	Tetra Pond Bottom Drain	112.26

Tetra Pond® Vacuum Bottom Drain T-16361

- Removes debris from bottom of pond
- Made of high impact, climate proof plastic
- Portable; sits on bottom of pond. Does not need to penetrate bottom
- Attaches to 2" PVC pipe (not included)

PRODUCT	DESCRIPTION	LIST PRICE
T-16361	Tetra Pond Vacuum Bottom Drain	67.71

Melnor® 101 FlowMeter Water Meter

Dial the quantity of water desired from 100-1600 gallons. Automatic shut-off. Allows your crew to tend to other business without fear of the pond overflowing. Great for partial water changes. Configured with standard hose connections for easy connection to garden hoses.

PRODUCT	DESCRIPTION	LIST PRICE
METER-MELNOR	Flowmeter Water Auto-shutoff	26.91

Dramm Water Timer

Worry no more about remembering to turn off the hose or sprinkler – this handy timer does it for you. Just set the time (up to 120 minutes) and your water will be shut off automatically. Colors vary.

PRODUCT	DESCRIPTION	LIST PRICE
DM10-15040	Water Timer	16.87

Nelson Remote Rain Watering Unit

Imagine the convenience of turning your water on and off with a remote control. No more trips back and forth to the faucet! The Remote Rain operates at a range of up to 100.'

PRODUCT	DESCRIPTION	LIST PRICE
NEL56620	Remote Rain Watering Unit	78.84

Nelson 2 Outlet Programmable Timer

• Advanced user options with dual outlets - 1 timed, 1 manual • Mist cycle (20 sec. on, 5 min. off) • Easy, on-screen programming • Digital LCD time and program display

PRODUCT	DESCRIPTION	LIST PRICE
NEL56610	2 Outlet Programmable Timer	59.06

Nelson 9 Selection Pre-Set Timer

• Superior ease of use - no programming required • 9 pre-set watering selections plus on/off • Digital LCD time display • Reliable diaphragm design for long battery life

PRODUCT	DESCRIPTION	LIST PRICE
NEL56605	9 Selection Pre-Set Timer	48.51

Nelson Automatic Water Shut-Off

• Mechanically operated timer; no batteries required • Brass ergo swivel coupling • 2 functions: timed watering and manual watering

PRODUCT	DESCRIPTION	LIST PRICE
NEL56600	Automatic Water Shut-Off	13.82

Water Level Controls maintain a constant water level. Protect your pump with a float switch, this turns the pump off if the water level drops too low.

Pump Float Switches

PRODUCT	SIZE	LIST PRICE
SWITCH-FL-10A	10' Cord ~ 120v, 13a W/ Plug	48.78
SWITCH-FL-20A	20' Cord / Piggy Back ~ 1/2 Hp 120v, 13a	70.20
SWITCH-FL-20B	20' Cord / Float Piggy Back, 3/4 Hp	112.32

Saves Your Pump

Little Giant Piggyback Diaphragm Switch

Converts any manual pump, up through 1/2 HP (10 max. run amps), to automatic.

PRODUCT	DESCRIPTION	LIST PRICE
LG599008	Piggyback Diaphragm Switch	58.00

Contractor Supplies

Contractor's Corner

PEM Water Make Up & Low Level Safety Shut Off Controls - Electronic

Made of cast bronze, brass and copper and stainless steel fitted. Bottom conduit connection for mounting upon 3/4" metallic, non-corrodible metal. Float switches are plastic and reed switch activated by perma-magnets embedded in the switch float. Specify voltage requirements.

L104-42

PEM

Call For Pricing

PRODUCT	MODEL #	DIMENSIONS
PEM L104-42	463-0400 / Conduit Mounted Sensor	$3/4$" Conduit Size
PEM L104-56	463-0520 / Free Standing Sensor	Stand Adjustment Of 12" – 16"
PEM L104-57	463-0600 / Free Standing Sensor	Stand Adjustment Of 16" – 22"
PEM L104-46	463-0700 / Niche Mounted	$1/2$" Conduit Size

L104-57
L104-56

L104-46

K1003

Little Giant AutoFill Kit

1/4" MIPT Connection. Maintains water level. Attaches to any skimmer. Uses any outdoor water faucet or irrigation line. Adjustable water height.

PRODUCT	LIST PRICE
LG566286	30.00

SAVIO

Savio Mechanical Water Leveler

PRODUCT	DESCRIPTION	LIST PRICE
SAV-K1003	Mechanical Water Leveler Left or Right	51.00
SAV-K6002	For waterfall well	49.00

3/8" Float Valve Brass

It features a bronze body, machined in-seat, 3/8 in. MIPT OD x 1/8 in. FIPT ID pipe connection, Buna-N seals, adjustable brass arms, and a polyethylene float. Maximum Pressure: 100psi (7 bar).

PRODUCT	SIZE	LIST PRICE
VALVE-FL003	3/8" MIPT	29.40
VALVE-FL005	1/2" MIPT	22.98

Levelor Sensor K1100CKA

Levelor Sensor

The Levelor Automated version complete with a control panel and 50' sensor cable that will help to reduce maintenance and save time. The mechanical version easily hides inside the Savio Skimmer, and connects to a 3/4" water line.

PRODUCT	DESCRIPTION	LIST PRICE
LEVELORK1100CKA	Electronic Water Level Control 50' Sensor Cable	413.28

Hudson Water Control Valve

Attach to a water line to automatically keep pond full.
- Rust-Proof
- No Lever Arm
- Anti-Siphon
- Installs in Seconds
- No Float Ball
- Available with 1/2" FPT or 1" FPT

PRODUCT	SIZE	LIST PRICE
V-FLOAT-0	1/2" FPT / 130 PSI	51.56
V-FLOAT-1	1" FPT / 130 PSI	51.56
V-FLOAT-7FIPT	2" Brass Float Valve	268.24

PEM Pool Filler - MECHANICAL

PEM

Constructed with a cast bronze frame, stainless steel cover, Kydex niche, bronze, brass and stainless steel fitted. Employs a sanitary float valve that can be disconnected above water level and permits water level adjustment after installation.

CALL FOR PRICING

PRODUCT	MODEL	DESCRIPTION	DIMENSIONS
PEM R1291-1	480-111	For Concrete Pools	4.5"l x 8.30"w x 10.4"h
PEM R1291-2	480-112	For Liner Pools / liner clamp of cast bronze & stainless steel	4.8"l x 10.70"w x 12.9"h (Total dim. with Liner Clamp)

Contractor Supplies

PEM Combination Overflow, Level Sensor & Fill Inlet

For use with PEM L104-100 Control Panel. These multiple float switch level sensors combine 4 separate control devices in a compact unit with all components hidden from sight

CALL FOR PRICING

PRODUCT	MODEL	DESCRIPTION	DIMENSIONS
PEM L104-48	463-0800	3" npt overflow pipe conn. & ^{1}/2" npt conduit conn.	cover - 10.63" W x 6.69" H / niche – 4.764" L x 10.43" W x 9.05" H
PEM L104-48-6	463-0820	4" npt overflow pipe conn. & ^{1}/2" npt conduit conn.	7.000" L x 10.820"wx10.000"t-h

PEM

PEM Control Panel with Transformer

This control will operate a solenoid fill valve to maintain a constant operational water level in a pool and in addition it has a low level safety shut off for the electrical equipment in a pool, should the water level drop below normal operating depth.

CALL FOR PRICING

PRODUCT	MODEL	DIMENSIONS	VOLTS	AMPS
PEM L104-100A	462-0010	5.910" x 6.89" x 9.84"	115	3
PEM L104-100B	462-0020	5.910" x 6.89" x 9.84"	240	2

Wind Control
CPS Wind Control System Single, Dual, or 3 Stage

This device is used to monitor wind velocities, utilizing 1, 2, or 3 stage. These controls can be set independently to activate separate circuits on rise of wind velocity above the set point and automatically de-activate upon lowering of the wind velocity to below the set point.

DESCRIPTION	DIMENSIONS	VOLT	PRODUCT	LIST PRICE
Anemometer / Made of Aluminum	8.66" height x 5.900" width x 6.690" depth	5 VDC		284.62
Single Stage Unit	6.89" height x 7.280" width x 3.930" depth	120/240 VAC	WIND 025TA-1	1,670.00
Dual Stage Unit	6.89" height x 7.280" width x 3.930" depth	120/240 VAC	WIND 025TA-2	1,795.00
Triple Stage Unit	6.89" height x 7.280" width x 3.930" depth	120/240 VAC	WIND 025TA-3	1,895.00

Matala Pond Vacuum II

Matala

2 H.P.

In suction tests, Matala Pond Vac II is four times more powerful than its competition with a suction lift 5' above water. Also known as the "Muck Buster", the vacuum easily removes algae, sludge, dead plants and leaves up to 3/8" in diameter. Generous 16' cord.

The auto fill and drain cycles allow for water to fill the vacuum canister, then simply discharge water into garden beds or use the mesh bag to capture coarse debris before returning the water back into the pond. Safe for use in fish ponds and water gardens.

PRODUCT	DESCRIPTION	LIST PRICE
MAT-R2D2	POND VACUUM II SYSTEM	329.00

| Pond Vacuum II Specifications	
Voltage	1 AC 120V / 60 Hz
Power consumption (W/Hp)	1400 / 1.9
Container capacity (L/Gal)	20/ 5.3
Water Drain Out in Second	25 - 30
Length of suction hose (M/ ft)	5/ 16.4
Length of discharge hose (M/ ft)	2.5/ 8.2
Cable length (M/ft)	5/ 16.4

Coastal Pond Supply & Coastal Fountain Supply

Contractor's Corner

Grate Material

Fibergrate:
- Structural- GRATE FIBER1GR, Fiberglass construction. Gray color.
  Size: 1.5" x 1.5" opening, Panel Sizes: 3' x 10' and 4' x 12', 1" thick
- Economy - GRATE, Used in manufacturing filters or as fish dividers. Black poly grate.
  Size: 3/4" x 3/4" opening, Panel Size: 2' x 4' & 1.5' x 3'
- Uses - filters, rock grates, fish dividers, pondless falls & fountains
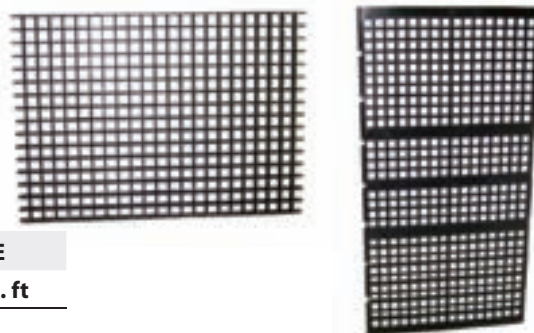
PRODUCT	DESCRIPTION	LIST PRICE
GRATE-FIBER1GR	FIBERGLASS STRUCTURAL GRATE	**38.00 per sq. ft**
GRATE-P1-24x48	POLY ECONOMY GRATE 2' x 4'	**30.50**
GRATE-P2-18x36	POLY ECONOMY GRATE 1.5' x 3'	**24.96**

Pond Kits

Atlantic Professional Pond Free Kits
WATER GARDENS

Includes: PV1800 Pump Vault, Pro Series FastFalls, TidalWave 2 Pump, Triton check valve, Flexible PVC Pipe, 45 mil EPDM pond liner, heavy duty underlayment, eco-blox, AMGLED3 pond lights, AF1000 auto fill, complete installation kit.

PRODUCT	LINER SIZE	FASTFALLS	ECO-BLOX	PUMP	BASIN SIZE	STREAMBED	LIST PRICE
ATL-PL1819PL	10' x 15'	SP1900	3	TM3700	54" x 32" x 18"	19" x 24" x 6"	**1650.00**
ATL-PK1826PL	10' x 20'	SP2600	6	TW4800	54" x 48" x 18"	26" x 32" x 10"	**1988.36**

Atlantic Complete Professional Pond Kits

Features:
- Kits include all components needed in constructing a successful garden pond with falls
- Mini Pond Kits and PK1215 come boxed. All larger kits are palletized.

Kit Includes: Atlantic Skimmer, Atlantic Filterfalls, Atlantic Falls Foam, Atlantic Filter Starter, Atlantic Pump, Liner, Underlayment, Flex PVC Hose, Check Valve, Auto Fill, Pump Discharge, Glue, Cleaner & 3 LED Lights

PRODUCT	POND SIZE	LINER SIZE	SKIMMER	FALLS	PUMP	HOSE SIZE	LIST PRICE
ATL-MINIPK	6' x 11'	10' x 15'	PS4000	BF1250	TW2400	1.5" x 20'	**1210.50**
ATL-MINIPK2	11' x 11'	15' x 15'	PS4000	BF1250	TW2400	1.5" x 20'	**1318.00**
Professional Small Pond Kits							
ATL-PK191015T	6' x 11'	10' x 15'	PS4600	BF1900	TW3700	2" x 25'	**1789.76**
ATL-PK191515T	11' x 11'	15' x 15'	PS4600	BF1900	TW3700	2" x 25'	**1897.42**
ATL-PK191520T	11' x 16'	15' x 20'	PS4600	BF1900	TW3700	2" x 25'	**2072.06**
ATL-PK191015P	6' x 11'	10' x 15'	PS4600	BF1900	PAF20	2" x 25'	**1862.26**
ATL-PK191515P	11' x 11'	15' x 15'	PS4600	BF1900	PAF20	2" x 25'	**1969.92**
ATL-PK191520P	11' x 16'	15' x 20'	PS4600	BF1900	PAF20	2" x 25'	**2144.56**
Professional Medium Pond Kits							
ATL-PK261515T	11' x 11'	15' x 15'	PS7000	BF2600	TW4800	2" x 25'	**2109.92**
ATL-PK261520T	11' x 16'	15' x 20'	PS7000	BF2600	TW4800	2" x 25'	**2284.56**
ATL-PK262020T	16' x 16'	20' x 20'	PS7000	BF2600	TW4800	2" x 25'	**2427.42**
ATL-PK261515P	11' x 11'	15' x 15'	PS7000	BF2600	PAF25	2" x 25'	**2227.44**
ATL-PK261520P	11' x 16'	15' x 20'	PS7000	BF2600	PAF25	2" x 25'	**2402.08**
ATL-PK262020P	16' x 16'	20' x 20'	PS7000	BF2600	PAF25	2" x 25'	**2544.92**
Professional Large Pond Kits							
ATL-PK381520P	11' x 16'	15' x 20'	PS9500	BF3800	PAF75	2" x 25'	**3071.26**
ATL-PK382020P	16' x 16'	20' x 20'	PS9500	BF3800	PAF75	2" x 25'	**3214.24**
ATL-PK382025A	16' x 21'	20' x 25'	PS9500	BF3800	A-21	2" x 50'	**3861.66**
ATL-PK382530A	21' x 26'	25' x 30'	PS9500	BF3800	A-21	2" x 50'	**4218.80**

S A V I O
EXCELLENCE
SAVIO Products

Savio Complete Pond Packages

Kits include a complete combination of the highest quality equipment including a plumbing package, instruction booklet and construction guide. NOTE: Savio kits are bases on 2' depth

6' x 10' Package 2' deep at 550 gallons
$1,006.00
Pn: SAV-PP0550
Savio Compact Skimmerfilter™
Savio Skimmerfilter™ 6" Faceplate
16" Waterfall Weir
45 mil. EPDM liner 10' x 15'
Underlayment 10' x 15'
WMS Solids Pump 1450 gph
1" x 25' Kink Free Hose
Construction Guide
Plumbing Kit
Beneficial Bateria/Barley Extract

8' x 11' Package 2' deep at 800 gallons	11' x 16' Package 2' deep at 1,500 gallons	16' x 21' Package 2' deep at 3,000 gallons
$1,297.00	**$2,135.00**	**$2,691.00**
Pn: SAVPP0800	**Pn: SAV-PP1500**	**Pn: SAV-PP3000**
Savio Skimmerfilter™ base unit	Savio Skimmerfilter™ base unit	Savio Skimmerfilter™ base unit
Savio Skimmerfilter™ 6" Faceplate	Livingponds Waterfall Filter	Livingponds Waterfall Filter
16" Waterfall Weir	Savio Skimmerfilter™ 8.5" Faceplate	Savio Skimmerfilter™ 8.5" Faceplate
45 mil. EPDM liner 12' x 15'	45 mil. EPDM liner 15' x 20'	45 mil. EPDM liner 20' x 25'
Underlayment 12' x 15'	Underlayment 15' x 20'	Underlayment 15' x 33'
WMS Solids Pump 2050 gph	WMS Solids Pump 3600 gph	WMS Solids Pump 3600 gph
1-1/2" x 25' Kink Free Hose	2" x 25' Kink Free Hose	2" x 33' Kink Free Hose
Black Foam	Savio Black Foam 400ml	Savio Black Foam
Plumbing Kit	Plumbing Kit	Plumbing Kit
Beneficial Bateria/Barley Extract	Bottom drain assembly for filter	Bottom drain assembly for filter
Construction Guide	Springflo Bio Filter Media	Springflo Bio Filter Media
	Beneficial Bateria/Barley Extract	Beneficial Bateria/Barley Extract

Savio Pond Free Waterfall Packages

Savio Pond Free™ systems provide everything necessary to build a dynamic waterfall or stream-scape environment simply add rocks and plants.

8' Pond Free Waterfall Package 8' x 3' Max. Size	13' Pond Free Waterfall Package 13' x 3' Max. Size
$877.00	**$1,269.00**
Pn: SAV-PF0500	**Pn: SAV-PF1000**
Waterfall Well	Waterfall Well
FilterWeir 16"	FilterWeir 16"
WM Clear Pump 2220 gph	WM Clear Pump 3960 gph
45 mil. EPDM Liner 10' x 15'	45 mil. EPDM Liner 10' x 20'
Underlayment 10' x 15'	Underlayment 10' x 20'
2" x 15' Kink Free Hose	2" x 20' Kink Free Hose
Black Foam	Black Foam
Step-by-Step Instructions	Step-by-Step Instructions

Skimmers & Waterfalls

Skimmers & Waterfalls (side tab)

SAVIO EXCELLENCE — Savio Products

Compact Skimmerfilter™

Designed on the best-selling Skimmerfilter™ platform, the Compact Skimmerfilter™ provides dynamic, multi-stage filtration that is affordable. Optional faceplates adapt skimmer flow rate up to 3000gph.

• Sturdy non-skid cover • Optional 18 watt UV (see Page 81) • Rugged, injection-molded leaf basket
• Integrated water-stop flange for concrete or liner installations

COMPACT SKIMMERFILTER™

PRODUCT	DESCRIPTION	BOX DIMENSIONS (L x W x H)	LIST PRICE
SAV-CS0000	Compact Skimmerfilter™ Base Unit	17.6" x 16.85" x 19.35"	**359.00**

COMPACT SKIMMERFILTER FACEPLATES & FAUX STONE COVERS

PRODUCT	DESCRIPTION	GPH	Sq. Ft.	LIST PRICE
SAV-CW6000	6" Faceplate assembly	500 - 1800	200	**37.00**
SAV-CW8500	8.5" Faceplate assembly	1800 - 3000	300	**47.00**
SAV-K5002	Stone Cover for Compact Skimmerfilter			**124.00**

Standard Skimmerfilters™

Savio provides an all-in-one solution to filtration. Mechanical, UV and Bio-filtration all in one box!
• Sturdy non-skid cover • Bio-filter frame with filter mat • Rugged injection-molded leaf basket • Super-strong injection-molded structural polymer housing resists warping and handles large pumps • Integrated water stop flange for concrete installations • UV option available in 26 or 50 watt models (see page 81) • Optional faceplates adapt the skimmer to varying pond sizes and flow rates up to 8500 gph

SKIMMERFILTER

PRODUCT	DESCRIPTION	BOX DIMENSIONS (L x W x H)	LIST PRICE
SAV-SS0000	Skimmerfilter™ Base Unit	17.6" x 16.85" x 19.35"	**489.00**

SKIMMERFILTER FACEPLATES & FAUX STONE COVERS

PRODUCT	DESCIPTION	GPH	Sq. Ft.	LIST PRICE
SAV-SSW6000	6" Faceplate assembly	500 - 2500	300	**39.00**
SAV-SSW8500	8.5" Faceplate assembly	1800 - 5000	500	**49.00**
SAV-SSW16000	16" Faceplate assembly	5000 - 8500	1200	**59.00**
SAV-K5001	Stone Cover for Skimmerfilter or Livingponds Filter			**213.00**

Mommy cat decided to make an appearance this year

Skimmers & Waterfalls

SAVIO
EXCELLENCE
Waterfall Filter™

SAVIO Livingponds Filters™ run at peak efficiency when the filter media is dirty! Other filters operate effectively only when they are clean, inhibiting the growth of beneficial bacteria, resulting in poor performance and constant upkeep. The SAVIO system mimics the natural filtration process in a living pond providing complete low maintenance & bio-mechanical filtration for ponds. Modular design of the waterfall and versatile filters allow them to be connected together for increased filter capacities.

• Provides instant 22" waterfall
• Complete filtration for ponds up to 5000 gal
• Super strong injection molded housing
• Non-clog Savio Springflo Bio filter Media™ included
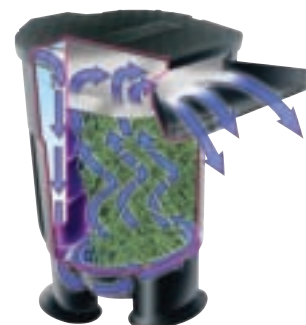
Versatile Filter™

The Savio Livingponds Versatile Filter™ shares all the features of the Livingponds Waterfall Filter™ but instead of a 22" weir, it has a 2" discharge. Unlike filters that have to be placed at the top of the waterfall, the Versatile Filter can be located up to 10' away. The filter can be easily hidden behind fences, shrubs or surrounding landscape. Flow rate 3000 GPH.

PRODUCT	DESCRIPTION	DIMENSIONS (L x W x H)	FLOW RATE	WT.	LIST PRICE
SAV F100	Waterfall Filter	22" x 23.5" x 30.5"	500 - 5000 gph	42 lbs.	561.00
SAV F200	Versatile Filter	22" x 23.5" x 30.5"	500 - 3000 gph	42 lbs.	561.00

Waterfall Well - Pondless Waterfalls

Savio Pond Free Waterfall Wells simplify construction of dramatic vanishing waterfalls and 'endless' streams. Patent pending design protects your pump from the crushing forces of rock and water with a structurally tough injection-molded housing. Durable snap-fit enclosure is easy to assemble and contains no moving parts. Multiply uses for irrigation, drainage and lift-pump applications. Handles up to 15,000 gph. (Pump not included).

PRODUCT	DESCRIPTION	SIZE	LIST PRICE
SAV-WW1000	Waterfall Well	22" H x 24" W	199.00
SAV-K6001	Waterfall Well Extension	18" H x 15" W	69.00
SAV-K6002	Auto-fill for Water Well	1/4" MPT Inlet	49.00

Well

Well w/ Extension
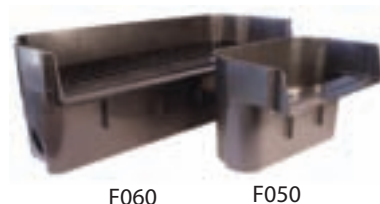
FilterWeirs

Offers bio-mechanical filtration, and the tranquil sounds and visual splendor of a cascading waterfall. Includes a sturdy media grate for plants and stones. Simple installation, solid construction, professional results.

PRODUCT	DESCRIPTION	WATERFALL	INLET	MAX FLOW	LIST PRICE
SAV-F050	Filterweir 16	16" Wide	2"	900 - 3000 gph	99.00
SAV-F060	Filterweir 31	31" Wide	(2) 3"	Up to 10,000 gph	199.00

F060   F050

Coastal Pond Supply & Coastal Fountain Supply

Skimmers & Waterfalls

SAVIO

Livingponds Filter

Comes equipped with two medium density filter pads and Savio's new ceramic media that contains 10,000 sq. ft. surface area. Finished with a 16" spillway and heavy duty media grate.

PRODUCT	DESCRIPTION	WATERFALL	INLET	MAX FLOW	LIST PRICE
SAV-F070	Livingponds Filter	16" Wide	(2) 3"	Up to 3,000 gph	**249.00**

DANNER PONDMASTER

Danner ProLine 5000 Skimmer

Heavy duty polyethylene, 11" x 7" weir door, large basket, 2" - 1 1/2" connection, reinforced lid, bulkhead fitting.

PRODUCT	DESCRIPTION	DIMENSIONS	MAX FLOW	LIST PRICE
DAN02475	Pro 5000 Skimmer	26" x 24" x 23"	8000 gph	**440.52**

ProLine Biological Filter Falls with Bio Matrix Media

Pro Biological Filters are a Complete Waterfall Filtration System they filter and aerate the water while creating the beauty of a waterfall or stream. Open swirl chamber for even and efficient water flow through the filter media. 3 separate filtering actions for super-clean water. Extra-large Capacity designed to increase biological filtration.

PRODUCT	DESCRIPTION	DIMENSIONS	MAX FLOW	LIST PRICE
DAN02478	Pro 1000 Filterfall	12" x 9" x 7"	1000 gph	**87.56**
DAN02480	Pro 3000 Filterfall	18" x 16" x 10"	3000 gph	**227.82**
DAN02490	Pro 5000 Filterfall	19" x 19" x 21"	5000 gph	**454.98**

DAN02490

DAN02480

DAN02478

ProLine Pump Vault

The ProLine Pump Vault is a sturdy, large capacity housing used in self-contained waterfalls and streams. It will accommodate submersible pumps up to 5000 GPH. A self-contained waterfall or stream is easy to install and even easier to maintain – and best of all it's pet- and child-safe. The ProLine PRO 4800 Pump Vault is the basis for creating a long-lasting, trouble-free installation. 2" Port with autofill

PRODUCT	DESCRIPTION	DIMENSIONS	MAX FLOW	LIST PRICE
DAN02465	ProLine 3000 Mini Vault	18" x 18" x 20"	3000 gph	**215.39**
DAN02460	ProLine 4800 Pump Vault	24" x 24" x 26"	5000 gph	**594.36**

Atlantic™ WATER GARDENS

Combo Kits
Features:
• Matched Filterfalls and Skimmer combination • Perfect introduction to a "Do-It-Yourself" pond kit. Boxes are UPS and FedEx shippable with room to add additional components. • Heavy-duty box with handles.

PRODUCT	SKIMMER / FALLS	MAX FLOW	LIST PRICE
ATL-FILT23	PS4000 / BF1000	2500 gph	**408.57**
ATL-FILT25	PS4000 / BF1250	2500 gph	**440.00**
ATL-FILT27	PS4500 / BF1250	3500 gph	**468.57**

ATL_FILT23 Shown

Atlantic
WATER GARDENS

Atlantic FastFalls

Features:
• Easily add waterfall or stream to a new or existing water feature • Comes with bulkhead, liner tape, foam cube to reduce splash and top grate for easy camouflaging • Lifetime warranty on shell

PRODUCT	DIMENSIONS W x D x H	WATERFALL WIDTH	MAX FLOW	BULKHEAD	LIST PRICE
ATL-SP1400	16" x 11" x 9"H	14"	2000 gph	1 1/2"	85.71
ATL-SP2500	27" x 11" x 10"H	25"	4000 gph	2"	148.57
ATL-SP3600	38" x 13" x 9"H	36"	6000 gph	2"	197.14
ATL-SP4800	50" x 11" x 10"H	48"	8000 gph	(2) 2"	340.00

ATL-PV2300

ATL-PV1800

Atlantic Pump Vaults

Pump Vault allows large or small volumes of water to be pumped efficiently in any disappearing waterfall or stream application. Max Flow 15,000 gph.

PRODUCT	DIMENSIONS	MAX FLOW	OPENING	LIST PRICE
ATL-PV1800	18" x 24"H	10000 gph	14"	282.86
ATL-PV2300	23" x 30"H	15000 gph	18"	454.29
ATL-PV18EXT	16.5" x 15.5"H	14" Extension		100.00

ATL_PV18EXT

Atlantic Pro Fastfalls

One-piece units feature an internal baffling system, support cones and re-enforced spillway. Simplified installation design. Top can be covered with rock, gravel, soil or mulch to blend with landscape.

PRODUCT	DIMENSIONS	INLET	MAX FLOW	WATERFALL	LIST PRICE
ATL-SP1900	20.5" x 17" x 10.25"	2"	4000 gph	19" W	199.00
ATL-SP2600	27.5" x 17" x 10.25"	2"	6000 gph	26" W	299.00
ATL-SP3800	39.5" x 17" x 10.25"	3"	9000 gph	38" W	399.00

ATL-SP1900   ATL-SP2600

ATL-SP3800

Atlantic EcoBlox

EcoBlox water matrix allows for thirty-one and a half (31.5) gallons of water storage for pond-free applications, bog filters and water harvesting. Atlantic's EcoBlox is the newest and most effective water matrix available today!

PRODUCT	DIMENSIONS W x L x H	LIST PRICE
ATL-ECOBLOX	16" x 27" x 17.5"	146.00 - 2 Pack

Atlantic Faux Stone Skimmer Covers

Lightweight rock lids for skimmers allow easy access while blending in with natural surroundings.

PRODUCT	DESCRIPTION	SKIMMER MODEL	LIST PRICE
ATL-SL4000B	Rock lid / Sandstone Brown	PS4000/4500	168.57
ATL-SL4000G	Rock lid / Slate	PS4000/4500	168.57
ATL-SL7000B	Rock lid / Sandstone Brown	PS6000/7000/9000	225.71
ATL-SL7000G	Rock lid / Slate	PS6000/7000/9000	225.71
ATL-SL14000B	Rock lid / Sandstone Brown	PS14000/20000	282.86
ATL-SL14000B	Rock lid / Slate	PS14000/20000	282.86

Atlantic Water Gardens™

Atlantic FilterFalls™

- Extra wide spillway
- Designed to be camouflaged with natural materials and plants
- Container has a life time warranty
- Comes with FIPT bulkhead fitting, removable grate, media bag and filter pad

ATL-BF1250

ATL-BF3800 Shown

Retail Filterfalls (boxed)

PRODUCT	DIMENSIONS	BULKHEAD	WATERFALL WIDTH	MAX PUMP FLOW	LIST PRICE
ATL-BF1000B	16" W x 20" D x 14" H	1-1/2"	14"	2500 GPH	154.29
ATL-BF1250B	19" W x 22" D x 14" H	1-1/2"	17"	3000 GPH	185.71
ATL-BF1500B	24" W x 30" D x 20" H	1-1/2"	20.5"	4000 GPH	254.29
ATL-BF2000	31" W x 40" D x 17" H	1-1/2"	11"	2000 GPH	282.86

Big Bahama PRO Series

PRODUCT	DIMENSIONS	BULKHEAD	WATERFALL WIDTH	MAX PUMP FLOW	LIST PRICE
ATL-BF1900	28" W x 25" D x 21.5" H	2"	19"	4000 GPH	397.14
ATL-BF2600	54" W x 25" D x 23" H	2"	26"	6000 GPH	482.86
ATL-BF3800	46.5" W x 30" D x 23" H	3"	38"	8000 GPH	768.57
ATL-BF4800	55" W x 37" D x 18" H	3"	48"	12000 GPH	825.71

Sturdy removable top lid with stands natural rock camouflage and foot traffic

Heavy-duty brush panels provide maximum surface area water cleaning

Heavy-duty stainless steel framed trap net for catching large debris

Super flow weir door for maximum surface cleaning

Gatekeeper brush panel (sold separately) allows leaves and debris in while restricting fish and frogs from entering the skimmer
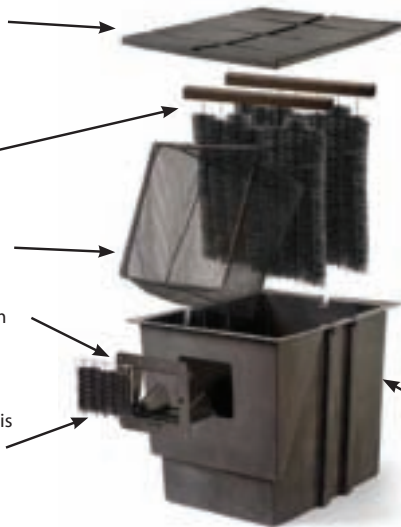
All Atlantic Skimmer Models Feature:
- Super flow weir doors for maximum surface cleaning
- Heavy-duty, stainless steel framed trap nets to catch large debris like leaves and grass
- Filtration mat or brush panel for mechanical filtration
- Rugged high-molecular weight polyethylene shell warranted for life
- Each unit includes removable lid, net, brush kit(s) or basket, and silicone.

400 mil high-molecular weight polyethylene shell for the ultimate in durability

ATLPS4000 & ATLPS4500 Retail Box

Skimmers (Polyethylene)

PRODUCT	DIMENSIONS	WEIR SIZE	PUMP RANGE	WT.	LIST PRICE
ATL-PS03000	13" L x 13" W x 25" H	6"	1000 - 3800 GPH	11 LB.	225.72
ATL-PS04000	17.5" L x 24" W x 22" H	6"	1000 - 3000 GPH	20 LB.	254.29
ATL-PS04500	17.5" L x 24" W x 22" H	9"	2000 - 4000 GPH	20 LB.	282.86
ATL-PS04600	19.5" L x 26" W x 22" H	6"	2000 - 4000 GPH	20 LB.	425.71
ATL-PS04900	19.5" L x 26" W x 22" H	9"	3000 - 5000 GPH	20 LB.	454.29
ATL-PS07000	25" L x 30" W x 24" H	9"	4000 - 7000 GPH	32 LB.	540.00
ATL-PS09500	25" L x 30" W x 24" H	14"	6000 - 9000 GPH	32 LB.	568.57
ATL-PS14000	30" L x 36" W x 30" H	14"	8000 - 14000 GPH	55 LB.	825.71
ATL-PS20000	30" L x 36" W x 30" H	20"	12000 - 20000 GPH	55 LB.	882.86

Little Giant Filterfalls

Biological waterfall filter includes lid, mesh bag for filter media, filter pads, backflush outlet, 2" bulkhead fitting Bio Vort vortex separator. Lip size 14" and 23" widths. Stainless steel ring for liner attachment.

PRODUCT #	DESCRIPTION	MAX PUMP FLOW	DIMENSIONS	WATERFALL WIDTH	LIST PRICE
LG571010	WF-5	up to 5000 gph	26" x 25" x 31.5"	14" Wier	**461.00**
LG5710011	WF-10	up to 10000 gph	30" x 31.5" x 31.5"	23" Wier	**582.00**

Little Giant Skimmers

Suitable for pump sizes up to 10,000 gph, weir size 6.6" and 9", each unit has a lid, biological brushes, removable fish guard, drill out bottom drain and drill out discharge on both sides of the skimmer.

PRODUCT	DESCRIPTION	MAX PUMP FLOW	DIMENSIONS W x H x D	LIST PRICE
LG566131	SK2.5	up to 2400 gph	16" x 23.25" x 20"	**276.00**
LG14940171	SK-5	up to 5000 gph	23" x 17.5" x 24.5"	**313.00**
LG14940172	SK-10	up to 10000 gph	23" x 21.5" x 30"	**368.00**

Little Giant Simply Falls - Pump Vault

For those who want waterfalls without the maintenance of a pond. 2" Outlet.

PRODUCT #	DESCRIPTION	MAX FLOW RATE	DIMENSIONS H x W x D	LIST PRICE
LG566410	Pump Vault	5000 gph	24.5" x 19.25" x 19.25"	**144.00**

Little Giant Waterfall Weir

Created to mimic a natural waterfall. Sturdy design provides the ability to create a natural disguise with rock or other decorative elements. Inlet 2" or 3" slip

PRODUCT #	DESCRIPTION	MAX FLOW RATE	DIMENSIONS	LIST PRICE
LG566239	Waterfall Weir	6000 gph	12.25" x 9.72" x 13.38"	**96.00**

Surface Floating Skimmer

Surface Skimmer

Easily retrofit existing pond with this skimmer unit-effectively removes floating leaves from the surface. Has large basket strainer capacity. Float weir allows varied pond water level. Max Flow 3000 GPH
• Requires water suction from intake side of a pump to operate. Minimum flow rate 800 GPH • Requires a 1 1/2" minimum side wall or floor port to "tap into" suction side of pump. • A rigid or flexible liner can be retrofitted to use this skimmer by adding a bulkhead fitting to the wall or floor of a pond.
• Float ring weir has up to 5 1/2" of vertical travel to allow for water level changes. • Skimmer has a 1 1/2" NPT female thread in the bottom.

PRODUCT	DESCRIPTION	LIST PRICE
ALAD 750B	750 Skimmer Black	**138.80**
ALAD750W	750 Skimmer White	**105.98**
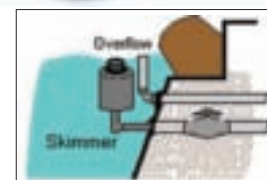
Skimmers & Waterfalls

CPS AquaSkim

The AquaSkim effectively removes leaves and other debris from the pond surface. This helps prevent murky pond water or algae growth and keeps debris out of the filter sytem. The included debris net allows use of the AquaSkim with non-solids handling pumps.

Skimmer Specifications	
Minimum flow	1600 GPH
Outlet size	1.5"
Fluctuation in water depth	6"
Skimmer height	22" - 8"
Skimmer diameter	13.8"

PRODUCT	DESCRIPTION	LIST PRICE
CPS57395	CPS AquaSkim Skimmer	129.98

CPS ProfiSkim In-Pond Skimmer

The ProfiSkim is an in-pond skimmer of extraordinary dimensions and capacity. The large strainer basket removes particles above 100 microns and has a built-in cleaning brush mechanism. It is an ideal addition to ponds with extremely high amounts of floating debris. As an in-pond skimmer it can be installed or retro-fitted without the need to cut liner.

PRODUCT	DESCRIPTION	FLOW RATE	LIST PRICE
CPS57134	CPS ProfiSkim	2000 - 8000 gph	460.00

CPS SwimSkim

The SwimSkim floating skimmer is a perfect addition or retrofit to any pond. In addition to removing leaves and surface dust, the SwimSkim also functions as a biological filter and air injector in one single device.

PRODUCT	DESCRIPTION	FLOW RATE	LIST PRICE
CPS50040	CPS SwimSkim	800 gph	129.98

CPS Biotec Biological / Mechanical Filter

• Oxygen enrichment of water via built-in venturi-driven air injector.
• Special filter foams, red and blue for highly effective elimination of toxic ammonia, and green for elimination of toxic nitrates.
• Convenient "white glove" filter foam cleaning via built-in mechanism. No need to remove the filter pads from the filter.
• Removal of sludge by simply pulling up the integrated slide valve to open the side drain.
• Visual overflow display at the lid indicates when maintenance is required.
• Clear Water Guarantee when used as part of BIOsys pond filtration system.
• Screen Ex Debris screen available in Biotec 18 or 36 Only

PRODUCT	MODEL	MAX POND SIZE	FLOW RATE	OUTLET	INLET	FILTERS BLUE	FILTERS RED	FILTERS GREEN	DIMENSIONS	WEIGHT	LIST PRICE
CPS50119	Biotec 18	18000 gal	3200 gph	DN70	1 1/2"	8	8	0	31" x 23" x 21"	57 lbs	949.98
CPS50118	Biotec 36	37000 gal	6000 gph	4"	1 1/2"	18	18	0	47" x 32" x 30"	65 lbs	2399.98

Filtration

CPS Pressurized Filters

• Integrated UVC technology for improved clarity of pond water.
• Indicator light for UVC function monitoring.
• Easy Clean technology for simple and convenient cleaning without having to open the filter.
• All the function-controlling parts are integrated into the lid.
• 15' cable.

PRODUCT	POND SIZE	CONNECTION	UV	DIMENSIONS	LIST PRICE
CPS1600	1600 gal	1/2" - 1 1/2" MPT	13 watt	**15" x 15"**	309.98
CPS2000	3000 gal	1/2" - 1 1/2" MPT	13 watt	**15" x 20"**	369.98
CPS4000	4000 gal	1/2" - 1 1/2" MPT	13 watt	**15" x 28"**	649.98

Matala Filter
Biosteps 10 Filter

Matala

The advanced filter media for today's serious pond enthusiast. One look at Matala® will convince you of its practical and versatile qualities. The open, highly aerobic 3 dimensional structure promotes healthy water conditions and ease of cleaning in most non-pressurized filter designs. Matala® is a filter media that is simple and that works.

PRODUCT	DIMENSIONS	MAX FLOW	INLET	OUTLET	SLUDGE DRAIN	# OF GREEN	# OF BLUE	# OF GRAY	# OF BLACK	POND SIZE	KOI POND SIZE	LIST PRICE
Biosteps 10 Filter	23.2" x 15" x 20.2"	1060 gph	1" - 1 1/2"	1 1/2"	1 1/4" - 1 1/2"	2	2	3	1	2700 gal	1350 gal	295.96
Biosteps w/ 9w UV	23.2" x 15" x 20.2"	1060 gph	1" - 1 1/2"	1 1/2"	1 1/4" - 1 1/2"	2	2	3	1	2700 gal	1350 gal	534.96
Biosteps w/ 18w UV	23.2" x 15" x 20.2"	1060 gph	1" - 1 1/2"	1 1/2"	1 1/4" - 1 1/2"	2	2	3	1	2700 gal	1350 gal	695.70

Danner ProLine Pressurized Filters

Features a unique, manually operated agitator for dislodging over 90% of the pond residue that accumulates in the filter chamber. This patent pending feature is employed during the backwash and rinse operation. Available in 3 capacities, with or without an internally mounted, integrated UV filter light that eliminates green water. Easily buried in ground to hide canister from sight.

DANNER
PONDMASTER

Filter Only

PRODUCT	DESCRIPTION	DIMENSIONS L x W x H	RECOMMENDED POND SIZE	MAX. PUMP	LIST PRICE
DAN05010	P1000	20 x 20 x 20	1000 gal.	900 - 2000 gph	547.31
DAN05020	P2000	20 x 20 x 20	2000 gal.	1000 - 2000 gph	610.13
DAN05040	P4000	20 x 20 x 27	5000 gal.	1000 - 4000 gph	703.85

Filter with UV Light

PRODUCT	DESCRIPTION	DIMENSIONS L x W x H	UV	RECOMMENDED POND SIZE	MAX. PUMP	LIST PRICE
DAN05015	P1000	20 x 20 x 20	10 Watt	1000 gal.	900 - 2000 gph	703.84
DAN05025	P2000	20 x 20 x 20	20 Watt	2000 gal.	1000 - 2000 gph	797.56
DAN05045	P4000	20 x 20 x 27	40 Watt	5000 gal.	1000 - 4000 gph	923.08

Filtration

Filtration Products

Ocean Clear Products
Modular Filter Systems

These user friendly modular filter systems provide chemical, mechanical or biological filtration and are suitable for almost any size tank or pond.

• Unit can be pressurized, used underwater, above ground or buried
• Clear, see-through canister allows you to determine when the filter needs cleaning
• Spin-off top for easy cleaning

PRODUCT	DESCRIPTION	INLET SIZE	MAX FLOW	FILTRATION	LIST PRICE
OCF-0007	OC FILTER	3/4" INSERT	1200 gph	(5) 9" Bio-filter disks &	175.50
OCF-0010	OC FILTER	or 1" INSERT	1200 gph	layer of bio-spheres	

DANNER
PONDMASTER

Danner Pressure Filter

100 gallon pressure filter for small pre-form containers. UV Light not available with this unit

PRODUCT	POND SIZE	PUMP GPH	INLET	OUTLET	LIST PRICE
DAN-05405	100 gal	190 gph	1/2" ID	3/8" ID	43.59

GC Tek
AlphaOne Filter

AlphaOne filters are designed to give you many years of trouble-free service. 10-year non pro-rated warranty on the tank itself.

• The sludge ball drain on the AlphaOne is designed so it can be rebuilt or serviced, unlike most ball valves that have to be "cut out" and replaced
• The clear double union spring check valve is designed with in-line unions to permit easy replacement
• The multiport valve is the least restrictive backwash valve on the market, providing maximum flow and 2" ports
• The AlphaOne Life Support System (ALISS) allows you to hook up an air pump to the multiport valve and supply oxygen to the filter bacteria during times of medical bypass or pump failure
• A high-quality AlphaOne Agitator injects huge amounts of air into the vessel prior to backwash, breaking up the bead pack for a very thorough backwash

Alphaone media stops the debris evenly through out the media pac, resulting in greater flow, less head or back pressure and less maintenance. The Alphaone media was specially designed for this filter and this filter only. With the Alphaone media there are no hidden area for anaorobic bacteria to harbor & stagnate, only beneficial bacteria.

PRODUCT	DESCRIPTION	Cu Ft.	DIMENSIONS	POND SIZE	PUMP GPM	LIST PRICE
GC ALPHAONE1.7	Bio One Media	1.75	19" x 30"	2,500 gal	Up to 50 gpm	1,350.00
GC ALPHAONE2.5	Bio One Media	2.5	21" x 34.5"	5,000 gal	Up to 70 gpm	1,595.00
GC ALPHAONE4.2	Bio One Media	4.25	24" x 35.5"	10,000 gal	Up to 90 gpm	1,950.00
GC ALPHAONE6.0	Bio One Media	6.0	30" x 40"	17,000 gal	Up to 120 gpm	2,350.00
GC ALPHAONE9.0	Bio One Media	9.0	36" x 45"	25,000 gal	Up to 180 gpm	3,050.00

Little Giant Pressurized Biological Filters

Installed above or under ground, these new pressurized bead filter systems improve filtration and promote the colonization beneficial bacteria. Maintenance is a simple backwash with pressure gauge and seven-way valve – no pads to hose off. Beads and bacteria included.

PRODUCT #	DESCRIPTION	MAX PUMP FLOW	DIMENSIONS OD x H	LIST PRICE
LG566881	PBF-2000 1-1/2" Unions	2000 gph	16" x 32"	**783.00**
LG566882	PBF-4000 2" Unions	4000 gph	19" x 36	**1,253.00**
LG566883	PBF-6000 2" Unions	6000 gph	24" x 34"	**1,599.00**

Supreme® Pondmaster Products
Pondmaster 1000 - 2000 – Submersible Filter

Use with submersible pumps with a flow rate up to 500 gallons per hour. These innovative low profile filters are designed to be unobstructed in the bottom of the pond. Their large filter area means less frequent cleaning. Suitable for small to medium ponds. Comes with two Filter Pads. Molded carrying handle. 3/4" tubing connection.
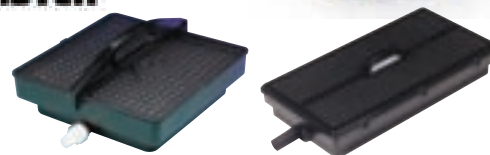
PRODUCT	DESCRIPTION	POND SIZE	PUMP GPH	LIST PRICE
DAN-02211	Pondmaster 1000	1000 gal	Up to 700 gph	**75.51**
DAN-02200	Pondmaster 2000	2000 gal	Up to 1800 gph	**126.16**

Coastal Pond™ Products
Coastal Filter Box

These economy filter screens for larger pumps provide economical low maintenance filtering. The best application is a submersible pump placed in this box crate.
* Includes nylon ties for securing top!

PRODUCT	DESCRIPTION	DIMENSIONS	LIST PRICE
FILTERBOX11	Crate only	11" x 14" x 15"	**9.90**
FILTERBOX11HC	Crate with 1/4" screen	11" x 14" x 15"	**24.20**
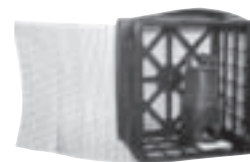
Pump not included.

CAL Pump Screens

Prevent foreign matter from clogging your pump with these filter and debris screens.

PRODUCT	DESCRIPTION	LIST PRICE
CAL-CFS100	Fits both 1/2" and 3/4" FNPT	**5.59**
CAL-CFS155T	3 3/4" x 4 1/4" with 1/2" & 3/4" FNPT	**9.99**
CAL-CFS170T	1" FNPT	**9.99**
CAL-TF10	1" & 1 1/2" FNPT, 12" L x 2" Dia.	**16.99**
CAL-CFS955	Foam pre-filter for CFS-155T/CFS-170T screens	**22.99**

TF10   **CFS100**   **CFS155T**   **CFS170T**   **CFS955**

Strainers
Pump Strainer

Help prevent submersible pumps from clogging with debris. Made of black Polyethylene.

PRODUCT	SIZE	LIST PRICE
STRAINER-BK15	1 1/2" FNPT	**20.48**
STRAINER-BK20	2" FNPT	**22.08**
STRAINER-BK30	3" FNPT	**41.92**

Filtration

Filtration Products

PumpSock

PS5: Designed for all small pumps up to 700 gph. Requires minimal cleaning.
PS10: Designed for "sump pump" style. Protects all sizes of submersible pumps from large debris. Allows for better water flow and cooling of pump. Will adapt to horizontal or vertical discharges. Requires minimal cleaning

PRODUCT	MAX FLOW	SIZE	LIST PRICE
PF-PS05	700 gph	7" H x 8" D	**64.90**
PF-PS10	1000 gph	10" H x 9" D	**66.38**

Media Bags

Media Bags

For use with Barley pellets, peat, zeolite, carbon pellets, all size bio-balls, all types of media rocks and/or any Microbe-Lift pre-colonized filter media.

PRODUCT	SIZE	LIST (EA.)
EL-MBAGSM	8" x 14"	**13.14**
EL-MBAGMD	15" x 16"	**14.34**
EL-MBAGLG	20" x 20"	**16.74**
EL-MBAGXL	22" x 32"	**19.14**
BAG-MESH-5GAL	For Carbon/Oystrer Shell	**7.25**
ATL-BG2234	Black Media Bag	**9.30**

BIO20   BIO11

Matala Filters - Pre Filters

Ez Bio Filters - Underwater

Matala

Improved pump efficiency, highly efficient filtration, Ez Install, Ez Clean, Ez Integrate

PRODUCT	DIMENSIONS	MAX FLOW PREFILTER	MAX FLOW BIOFILTER	CONNECTION	HOSE TAIL	LIST PRICE
MATA-EZ-BIO-11	4.3" x 7.9"	1980 gph	660	BSFP 1-1/2"	1", 1-1/4", 1-1/2"	**47.12**
MATA-EZ-BIO-20	7.9" x 7.9"	3405 gph	1135	BSFP 1-1/2"	1", 1-1/4", 1-1/2"	**81.20**

Black Bio Filter Material

This heavy duty filter material is very stiff and rugged.

HEAVY DUTY BLACK FILTER MATERIAL 1 1/4" THICK - COARSE

PRODUCT	DESCRIPTION	LIST PRICE
BIO-M-B12XFT	56" Wide X Linear Foot	**19.24 / ln ft**
BIO-M-B12X20FT	56" Wide X 10' Length	**341.00**

Circular Discs In Stock: 9", 9.5", 12", 13", 14", 16", 23"

Heavy Duty Black Filter Material 2" Thick - Course

PRODUCT	DESCRIPTION	LIST PRICE
BIO-M-B2R09	Replacement Disk 9" Dia. Round	**8.20**
BIO-M-B2XFT	56" Wide X Linear Foot	**29.24 / ln ft**
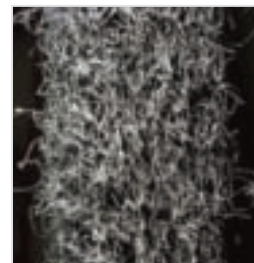
Bio Filter Material
White Filter Material

This filter material is the standard of the industry. Its 1" thick and the most popular for professionals and do-it-yourselfers. Heavy duty white filter material comes in two types, 2", and 1 1/4" thickness.

WHITE FILTER MATERIAL - FINE 1" THICK

PRODUCT	DESCRIPTION	SHIPS VIA	LIST PRICE
BIO-M-WH14X12F	14" Wide X 12' Long	UPS	38.50
BIO-M-WH56XLFT	56" Wide X Linear Foot	UPS	13.76/ ln ft
BIO-M-WH56X10F	56" Wide X 10' Long	UPS	115.50
Longer lengths ship motor freight			

HEAVY DUTY WHITE FILTER MATERIAL 2" THICK - MEDIUM

PRODUCT	DESCRIPTION	SHIPS VIA	LIST PRICE
BIO-M-2W56XLFT	56" Wide X Linear Foot - 10ft Max	UPS	24.20 / ln ft
BIO-M-2W56X90FT	56" Wide X 90' Length / Roll	Motor Freight	2002.78

Matala Filter Media
Matala Bio Filter Material

Selection of (4) densities. May be sequenced or used separately depending on the type of filtration required. Mechanical and biological.

Matala

Half Sheets - 24" x 39" x 1.97"

PRODUCT	COLOR	SIZE	LIST PRICE
MATA-39X24-BLK	Black - Coarse	23.5" x 39" x 1.5"	34.13
MATA-39X24-GRE	Green - Med.	23.5" x 39" x 1.5"	36.80
MATA-39X24-BLU	Blue - Med. Coarse	23.5" x 39" x 1.5"	37.25
MATA-39X24-GRA	Gray - Fine	23.5" x 39" x 1.5"	43.07

Full Sheets - 48" x 39" x 1.97"

PRODUCT	COLOR	SIZE	LIST PRICE
MATA-39X48-BLK	Black	47" x 39" x 1.5"	68.23
MATA-39X48-GRN	Green	47" x 39" x 1.5"	73.60
MATA-39X48-BLU	Blue	47" x 39" x 1.5"	75.47
MATA-39X48-GRY	Gray	47" x 39" x 1.5"	86.10

Danner Biomatrix Floating Media

PRODUCT	DESCRIPTION	LIST PRICE
DAN-12200	Black, 1/2" x 1/2", 10 lb Box	108.33

DANNER PONDMASTER

Sunterra Bio Balls

PRODUCT	DESCRIPTION	OD	LIST PRICE
SUN-360106	Gray, Bio Balls, 10 Pack	2"	12.82

SUNTERRA

Lifegard Aquatics Biomate Media

PRODUCT	DESCRIPTION	OD	LIST PRICE
STA-R-R440300	Standard Solid	1"	21.90
STA-R-R440302	4.5 Cu. Ft Bio-Mate Solids	1"	428.34

LIFEGARD AQUATICS

Pumps *(vertical side tab)*

Filtration Products

SAVIO Springflo Bio Filter Media™

This easy to clean combination of polypropylene and calcium carbonate was developed for the rapid and aggressive growth of beneficial microorganisms. Springflo is an easy upgrade for any older style filter, that are still using filter mat, gravel, bio balls, or floss. Contains 3 cu ft. 180 sq ft of surface area. With media bag.

PRODUCT	DESCRIPTION	CASE QTY.	LIST PRICE
SAV SF01	Springflo Bio Filter Media	9	**88.00**

Small Pumps

Statuary Pumps

Little Giant Mag-Drive Pumps

1 YEAR WARRANTY

Compact design, energy efficient, and Environmentally safe.

PRODUCT	MODEL #	SIZE	DISCHARGE	CORD LENGTH	MAX. FLOW	MAX. HT.	LIST PRICE
LG566713	PES-40-PW	1.7" x 1.9" x 1.75"	Adapter for 1/2" or 3/8" tubing	6'	45 gph	2'	**21.20**
LG566714	PES-80-PW	3" x 2.3" x 1.6"	Adapter for 1/2" or 3/8" tubing	6'	80 gph	2.3'	**29.00**
LG566722	PED-100-PW		Adapter for 1/2" or 3/8" I.D. tubing	15'	1000 gph	16'	**122.92**

PRODUCT	MODEL #	DISCHARGE	CORD LENGTH	WATTS (max)	MAX. FLOW	MAX HT.	LIST PRICE
LG566716	PES-130-PW	3/8"	6'	11	130 gph	4'	**39.00**
LG566717	PES-290-PW	1/2"	15'	23	290 gph	10.2	**52.00**
LG566718	PES-380-PW	1/2"	15'	36	380 gph	9.7'	**65.00**
LG566720	PES-700-PW	1/2"	15'	46	700 gph	11.5'	**85.00**
LG566721	PES-800-PW	3/4"	15'	100	810 gph	12.2'	**99.00**

Table Top Pumps Submersible

Fountain Pro Pumps (1 YEAR WARRANTY)

Designed to be reliable and quiet, with an easy flow adjustment dial. Great for use in small fountains. Part numbers ending with "L" - includes light. Part numbers ending in "SW" - includes on/off switch.

PRODUCT	SIZE	DISCHARGE	CORD LENGTH	WATTS	MAX. FLOW	MAX HT.	LIST PRICE
FP-WT55LV	$1^7/8$" x $1^3/4$" x $1^1/4$"	1/4"	6'	12	55	19.5"	**23.26**
FP-WT55LV-L	1-7/8" x 1-3/4" x 1-1/4"	1/4"	6'	2	55	19.5"	**43.96**
FP-WA-065	$1^7/8$" x $1^3/4$" x $1^1/4$"	1/2"	6'	2.5	64.7	2.1	**23.26**
FP-WA-065-SW	$1^7/8$" x $1^3/4$" x $1^1/4$"	1/2"	6'	2.5	64.7	2.1'	**25.88**
FP-WT-065-L	$1^7/8$" x $1^3/4$" x $1^1/4$"	1/2"	6'	12	65	25.5"	**43.96**
FP-0470-3	$4^1/4$" x 3" x 4"	1"	12'	40	370	8.8'	**71.12**

CAL Magnetic Pumps

All models listed come with a three-year warranty, stainless steel or ceramic shaft and are equipped with a flow adjuster. Excellent performance in table-top fountains. 6 ft. cord length.

PRODUCT	SIZE	DIS-CHARGE	AMPS (max)	MAX. FLOW	MAX HT.	1'	3'	5'	LIST PRICE
						GPH@ FEET OF HEAD			
CAL-P0080-3W	2" x $1^1/2$" x 2"	$1/4$"	.09	100	2'	80	-	-	**23.99**
CAL-P0140	$2^1/4$" x $1^3/4$" x $2^1/4$"	$1/2$"	.12	170	5	150	108	22	**32.99**

Little Giant Water Direct Drive Pumps

5-MSPR-WG

PE Series

Adapts easily to filtration, environmentally safe, energy efficient with a corrosion resistant body.

PRODUCT	MODEL #	DISCHARGE	CORD LENGTH	WATTS (max)	MAX. FLOW	MAX HT.	WARRANTY	LIST PRICE
LG566606	PE-1F-PW	1/4"	15'	36	170 gph	7'	3 YEAR	**69.00**
LG566611	PE-2F-PW	1/4"	15'	47	300 gph	12.2'	3 YEAR	**102.00**
LG566612	PE-2.5F-PW	1/2"	15'	80	475 gph	13.4'	3 YEAR	**132.00**
LG505325	5-MSPR-WG	1" FNPT	25'	380	1200 gph	26.3'	1 YEAR	**167.00**

Danner Pondmaster In-Line or Submersible Magnetic-Drive Pumps
For Small Applications

(3 YEAR WARRANTY)
Made without seals for continuous running, and filled with epoxy so no oil leaks! Pumps can also be run in-line. Suitable for statuary, fountains, ponds, and/or aquariums. 1/2" MNPT discharge.

PRODUCT	DIMENSIONS	CORD LENGTH	AMPS MAX	MAX. FLOW	MAX HT.	1'	3'	5'	7'	9'	11'	LIST PRICE
						GPH@ FEET OF HEAD						
DAN-02522	5" x 3.8" x 4.2"	18'	.3	275	7'	250	170	75	-	-	-	**98.72**
DAN-02523	5" x 3.8" x 4.2"	18'	.6	375	10.5'	350	300	210	120	25	-	**107.56**
DAN-02525	5" x 3.8" x 4.2"	18'	.8	500	10.5'	450	380	250	125	45	-	**126.03**
DAN-02527	5" x 3.8" x 4.2"	18'	1.3	700	12.5'	650	500	420	350	220	50	**142.18**

CAL Aluminum Pumps

(1 YEAR WARRANTY)

Models are UL listed and come with a one-year warranty. 1/4" MNPT suction, 1/2" MNPT discharge. can be used submerged or in open air and have built-in flow adjuster. Custom cords up to 100' available at additional cost.

GPH@ FEET OF HEAD

PRODUCT	SIZE	CORD LENGTHS	AMPS (max)	MAX. FLOW	MAX HT.	1'	3'	5'	7'	9'	11'	13'	15'	LIST (6' cord)
CAL-A210	$4^1/2$" x $3^1/4$" x $4^1/2$"	6', 20'	.82	240	6'	210	160	120	-	-	-	-	-	**94.99**
CAL-A280	$5^3/4$" x $3^1/4$" x $4^3/4$"	6', 20'	1.23	310	12'	280	210	140	100	80	50	-	-	**96.99**
CAL-A430	$5^3/4$" x $3^1/4$" x $4^3/4$"	6', 20', 30'	1.50	450	16'	430	370	300	270	250	230	200	140	**101.99**

SUNTERRA Statuary Pumps

All Sunterra pumps are UL tested for optimum performance and maximum endurance. Sunterra pumps promise years of trouble-free operation and come with a 1 year warranty. Convenient Blister Pack.

PRODUCT	AMPS	WATTS	DIS-CHARGE	CORD	DIMENSIONS	MAX HT.	MAX FLOW	1'	2'	4'	6'	LIST PRICE
SUN104506	.2	1	1/2 - 3/8"	6'	2" x 1.5" x 1"	1.8'	30 gph	10	-	-	-	**14.65**
SUN109006	.9	5	1/2 - 3/8"	6'	2.5" x 1.5" x 2"	3.2'	75 gph	75	42	-	-	**17.05**
SUN114516	.17	9	1/2"	16'	2.5" x 2" x 2.5"	4'	130 gph	130	100	30	-	**26.88**
SUN120016	.19	14	1/2 - 1"	16'	2.75" x 2.75" x 2.5"	4.9'	200 gph	200	170	70	-	**35.88**
SUN137016	.36	21	1/2 - 1"	16'	3.5" x 2.5" x 3.5"	8'	320 gph	320	290	220	180	**48.33**

Pumps

Pond and Waterfall Products

CAL Stainless Steel & Bronze Pumps
(2 YEAR WARRANTY)

Unique features for these pumps include fresh, salt and chlorinated water capabilities (max 3-5ppm), can also be used in hot water conditions up to 110° f. Stainless steel & bronze construction. UL listed, two-year warranty. Suitable in applications such as Koi Ponds, Medium to Large Size Fountains. S225 & 320 have 1/2" MNPT suction. S580 – 900 & 1200 – 3/4" MNPT suction. Oil Filled.

GPH@ FEET OF HEAD

PRODUCT	SIZE	DIS-CHARGE	STD. CORD LENGTH	AMPS (max)	MAX. FLOW	MAX HT.	1'	3'	5'	7'	9'	11'	13'	15'	17'	LIST PRICE (20'cord)
CAL-S0225T	3^3/4" x 4^1/2"	1/4"	6,20,30,50	.95	275	6'	250	175	85	-	-	-	-	-	-	**139.99**
CAL-S0320T	3^3/4" x 4^1/2"	1/4"	6,20,30,50	1.3	375	12'	360	335	305	262	215	-	-	-	-	**154.99**
CAL-S0580T	4^1/2" x 6^1/4"	1/2"	6,20,30,50	2.6	860	14'	830	750	675	580	475	345	125	-	-	**219.99**
CAL-S0900T	4^1/2" x 6^1/4"	1/2"	6,20,30,50	2.8	885	16'	855	790	725	650	560	460	350	175	-	**234.99**
CAL-S1200T	4^1/2 x 6^1/4"	1/2"	6,20,30,50	3.8	1100	18'	1070	1000	925	850	760	675	560	425	225	**249.99**
CAL-SPB1	Positioning Stand Bracket for S580, S900 & S1200															**12.99**

*Cord lengths of up to – 100' also available at additional cost.

Sunterra Pond Pumps - Submersible

All pumps are 100% water tested, have 25 foot power cords and come with a two-year limited warranty. Models 450, 850 and 1250 GPH pumps come with a built-in pre-filter to aid in the water filtration process.
2 Year Warranty

PRODUCT	SIZE	DIS-CHARGE	AMPS	WATTS	MAX HT.	1'	5'	10'	15'	20'	LIST PRICE
SUN200450	6" x 12" x 7"	1/2" MIPT	1.5	38	10'	450	200	-	-	-	**92.83**
SUN200850	8" x 12" x 7"	1" MIPT	1.8	75	16.4'	850	650	450	200	-	**120.18**
SUN201250	8" x 12" x 7"	1" MIPT	1.9	110	21'	1250	1000	950	700	200	**153.03**

Little Giant Water Garden Circulation Pumps - Submersible
Waterfall Pumps
3 YEAR WARRANTY

Adapts easily to filtration, environmentally safe, oil free, energy efficient with a corrosion resistant body Pump is very versatile, able to be used vertically or horizontally. Powerful direct-drive pump features a unique dual-discharge design for operation of two water features simultaneously.

WPG Series

PRODUCT	MODEL	DIS-CHARGE	CORD	WATTS	MAX. FLOW	5'	10'	15'	20'	25'	30'	MAX HT.	LIST PRICE
LG566409	WPG-65-PW	1 1/4"	16'	230	1900 gph	1250	785	325	-	-	-	20'	**185.00**
LG566417	WPG-80-PW	1 1/4"	16'	640	3000 gph	2800	2200	1800	1000	700	-	28'	**230.00**
LG566407	WPG-95-PW	1 1/4"	16'	700	4280 gph	3300	3100	2400	1900	1200	-	30'	**276.00**

PONDMASTER

Danner Pondmaster Magnetic-drive Pumps In/Out Of Water Applications

(3 YEAR WARRANTY)

Made with an ABS case and epoxy-filled to eliminate leaks. Suitable for statuary, fountains, ponds, and/or aquariums. 3/4" FNPT suction and 3/4" MNPT discharge.

PRODUCT	SIZE	STD. CORD LENGTH	AMPS (max)	WATTS (max)	MAX. FLOW	MAX HT.	1'	3'	5'	7'	9'	11'	13'	15'	17'	19'	21'	23'	LIST
							GPH@ FEET OF HEAD												
DAN-02720	5.5" x 3.4" x 5"	18'	1.33	93	950	14'	950	850	750	660	500	300	100	-	-	-	-	-	**170.26**
DAN-02722	6.4" x 4.5" x 4.6"	18'	1.5	110	1200	15'	1200	1150	1120	810	650	500	300	-	-	-	-	-	**241.03**
DAN-02728	6.4" x 4.5" x 4.6"	18'	1.5	145	1800	20'	1800	1500	1200	1060	900	825	660	420	175	50	-	-	**274.62**

Danner ProLine Hy-Drive Pumps - For use in or out of water

Submersible / Inline pump for water gardens, ponds & aquariums.

Powerful, efficient hybrid magnetic/direct drive motor • Extremely low energy use • Whisper quiet operation • Specifically designed for use with skimmers, waterfalls & aquariums • Fish-Safe because no oil is used Extra long 20' power cord with grounded plug • Convenient carry handle • Inline and submersible operation • **2 Year warranty**

MODEL	PRODUCT	DIS-CHARGE	AMPS (max)	MAX. FLOW	MAX HT.	1'	3'	5'	7'	9'	11'	13'	15'	17'	LIST
						GPH @ FEET OF HEAD									
DAN-02663	1600 HY-Drive	1 1/4"	1.0	1600	17	1750	1700	1575	1400	1250	1000	375	-	-	**266.16**
DAN-02665	2100 HY-Drive	1 1/4"	1.5	2100	22.5	2125	2075	1900	1750	1600	1300	850	300	-	**307.30**
DAN-02667	2600 HY-Drive	1 1/4"	2.2	2600	26.5	2700	2550	2525	2450	2225	1975	1625	1250	300	**414.24**
DAN-02680	3200 HY-Drive	1 1/2"	1.6	3200	12	3500	3300	2700	2050	1650	650	-	-	-	**348.98**
DAN-02675	4000 HY-Drive	1 1/2"	1.9	4000	13	4300	4000	3300	2700	2350	1475	-	-	-	**401.54**
DAN-02670	4800 HY-Drive	1 1/2"	2.0	4800	18.5	5100	5000	4500	3900	3150	2350	800	-	-	**466.15**
DAN-02683	6000 HY-Drive	1 1/2"	5.5	6000	22.5	5700	5500	5100	4700	4200	3400	2450	1150	-	**534.98**

Danner ProLine Hy-Cap Pumps

These pumps are specifically designed for large pond or waterfall installations. They employ updated, efficient traditional direct drive technology and rugged all metal cases. For big waterfalls requiring high head height, choose the DAN-02590. For high volume water flow use the DAN-02595.

Features: Direct drive, energy-efficient for output produced - under 800 watts, less than 7 amps, works well when restrictive plumbing is a factor - produces higher pressure output. Good for large fountains, water diplays.

MODEL	PRODUCT	DIS-CHARGE	MAX HT	MAX FLOW	1'	5'	10'	15'	20'	25'	30'	40'	LIST PRICE
					GPH @ FEET OF HEAD								
DAN-02590	Hy-Cap 4500	2"	47'	4500 gph	4400	4075	3575	3450	3100	2600	2100	1125	**647.05**
DAN-02595	Hy-Cap 12000	3"	16'	12,000 gph	11400	9250	5700	900	-	-	-	-	**784.36**

Danner Pondmaster Waterfall Pumps
Mag-Drive and Pro XP Hy-Drive Pumps
1 year warranty. 20' Power Cord.

MODEL	PRODUCT	DIS-CHARGE	AMPS (max)	MAX. FLOW	MAX HT.	1'	3'	5'	7'	9'	11'	13'	15'	17'	LIST
						GPH @ FEET OF HEAD									
DAN-02650	MAG 2000	1 1/2"	1.8	2000	14	1386	1374	1086	942	744	600	-	-	-	**219.62**
DAN-02660	MAG 3000	1 1/2"	2.1	3000	15	2002	1866	1644	1470	1242	1000	-	-	-	**263.46**

Waterfall Pumps

Pumps

Little Giant WGFP Series Pumps

2 Year Warranty

Constructed with stainless steel, cast iron and durable thermoplastic, the new solids-handling Little Giant submersible water feature pumps meet the rigorous demands of the most impressive water features and come with a **two-year limited warranty.**

MODEL	PRODUCT	DIS-CHARGE	WATTS	MAX. FLOW	MAX HT.	GPH @ FEET OF HEAD				LIST
						5'	10'	15'	20'	
LG566066	WGFP-15	1 1/4"	355	2900	21	2300	1700	807	127	**254.00**
LG566067	WGFP-33	1 1/2"	455	3450	25	2500	2000	1400	600	**408.00**
LG566068	WGFP-50	2"	590	5000	30	4280	3520	2830	1800	**465.00**
LG566069	WGFP-75	2"	847	5300	36	5345	4520	3840	3200	**538.00**
LG566070	WGFP-100	2"	1210	7000	36	6500	5700	4800	3900	**607.00**

Leader Clear & Solid Answer Line

(1 YEAR WARRANTY)

Use horizontally or vertically

These safe, reliable and high quality submersible pumps are useful for drainage and waterfalls. Oil free for fish safety. Perfect cooling allows pump to run even if partially submerged. Cord length 16'. BVP comes with a float switch.

PRODUCT	SIZE	DIS-CHARGE	WATTS	MAX. FLOW	MAX HT.	GPH@ FEET OF HEAD						LIST PRICE
						5'	10'	15'	20'	25'	30'	
L-CLEAR1	11.5" x 6" x 6.5"	1 1/4"	220	1800	21	1440	960	480	-	-	-	**185.90**
L-CLEAR2	11.5" x 6" x 6.5"	1^1/4"	280	2340	25	1920	1440	960	480	-	-	**232.10**
L-CLEAR3	13" x 6" x 6.5"	1^1/4"	750	4200	31	3840	3360	2880	2400	1440	480	**348.70**
L-SOLID4	12.5" x 6.75"	1^1/4"	220	1200	11	900	480	-	-	-	-	**258.50**
L-SOLID5	11.5" x 6" x 6.5"	1^1/4"	330	2160	18	1920	960	480	-	-	-	**335.50**
L-SOLID6	14" x 6" x 6.5"	1 1/4	650	3840	31	3600	3360	2880	2400	1440	360	**442.20**

Savio Water Master Pumps

2 Year Warranty

These durable, affordable, and high performance pumps provide reliable high performance operation. This series of pumps have high head pressure and are completely oil-less for fish safety. Cord length 16'.
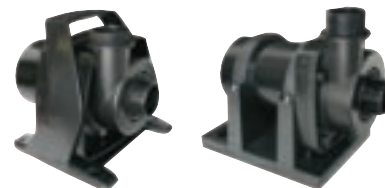
WMC Series **WMS Series 1450 - 3600 gph** **WMS Series 5000 - 6500 gph**

PRODUCT	SIZE	DISCHARGE	AMPS (max)	MAX. FLOW	MAX HT.	GPH@ FEET OF HEAD							LIST PRICE
						1'	5'	10'	15'	20'	25'	30'	
SAV-WMC1200	5 1/2" x 10 1/2"	1 1/4"	1.6	1200	20	1000	900	766	500	-	-	-	**199.00**
SAV-WMC1740	5 1/2" x 10 1/2"	1 1/4"	1.6	1740	20	1700	1550	1250	800	-	-	-	**237.00**
SAV-WMC2220	5 1/2" x 10 1/2"	1 1/4"	2.4	2220	23	2200	2175	2000	1550	700	-	-	**267.00**
SAV-WMC3960	5 1/2" x 12"	1 1/4"	5.7	3960	31	3825	3700	3475	3150	2250	1175	225	**349.00**
SAV-WMS1450	6" x 11 3/4"	1 1/4"	1.8	1450	14	1375	1200	750	-	-	-	-	**249.00**
SAV-WMS2050	6" x 12 1/2"	1 1/4"	2.4	2050	16	2000	1700	1175	250	-	-	-	**279.00**
SAV-WMS3600	6" x 14"	1 1/4"	4.8	3600	25	3550	3250	2600	2000	1300	200	-	**399.00**
SAV-WMS5000	9 1/2" x 15 3/4"	1 1/2"	6.1	5000	28.5	4800	4180	3300	2500	1650	750	-	**599.00**
SAV-WMS6500	9 1/2" x 15 3/4"	1 1/2"	6.1	6500	35	6300	5600	4800	4000	3100	2200	1200	**639.00**

Pumps

Little Giant Flex Pumps

* Submersible or out of Pond Water Feature Pump - Ideal for powering water features and pond filtration systems with flows from 1,000 GPH to 8,700 GPH
* Heavy-duty, stainless steel canned motor - To assist in cooling motor to extend the life of the pump
* Clog-resistant design - Capable of passing solids
* Continuous duty rated - Operates in the most rigorous of feature applications
* Energy efficient encased motor - Using only 106 to 730 Watts
* 25' Power cords

Model	PN:	Volts	Watts	MAX GPH	GPH @ 5'	GPH @ 10'	GPH @ 15'	GPH @ 20'	GPH @ 25'	GPH @ 30'	Shutoff	Inlet FNPT	Outlet FNPT	LIST PRICE
FP1	LG566132	115/60hz	106	1920	1000	390	-	-	-	-	14'	1-1/4"	1-1/4"	**261.00**
FP2	LG566133	115/60hz	167	3360	2220	1210	400	-	-	-	16'	1-1/2"	1-1/2"	**294.00**
FP3	LG566134	115/60hz	226	4968	3200	1640	690	-	-	-	17'	2"	2"	**325.00**
FP6	LG566135	115/60hz	557	6840	5740	4380	3000	1730	350	-	27'	2"	2"	**992.00**
FP9	LG566137	115/60hz	730	9120	8100	6580	4860	3290	1930	580	31'	2"	2"	**1250.00**

Atlantic Tidal Wave Cast Iron & Stainless Steel Pumps

2 Year Warranty

Submersible solids handling, energy efficient pumps with a rugged housing. Features a cast-iron vortex impeller and a 32' long heavy duty power cord.

					GPH @ FEET OF HEAD									
PRODUCT	HP	VOLTS	AMPS	DIS-CHARGE	5'	10'	15'	20'	25'	30'	35'	40'	SHUT OFF	LIST PRICE
ATL-A05	1/2	115	5.7	2"	3000	2700	2400	2200	2000	1200	700	-	42'	**540.00**
ATL-A21	1	115	9.6	2"	5400	5200	4800	4200	3700	3000	2200	1000	48'	**802.86**
ATL-A31	1	115	10.3	3"	9000	8100	6700	5100	3500	1500	-	-	35'	**882.86**
ATL-A315	2	230	10.3	3"	12500	10800	9600	8700	7500	6600	5520	4800	55'	**1425.74**

Tidal Wave PAF Series Pumps
2 Year Warranty

Tidal Wave PAF Series pumps deliver high volume performance with large flow rates all while staying energy efficient. The pumps' stainless steel and composite construction make it perfect for any pond or waterfall application.

PRODUCT	HP	VOLTS	AMPS	DIS-CHARGE	5'	10'	15'	20'	25'	30'	35'	40'	SHUT OFF	LIST PRICE
ATL-PAF20	1/4	115	3.5	2"	2800	1950	1080	180	-	-	-	-		**508.57**
ATL-PAF25	1/3	115	5.0	2"	3900	3150	2300	1350	240	-	-	-		**602.86**
ATL-PAF40	1/2	115	6.0	2"	4950	4350	3570	2700	1700	520	-	-		**671.43**
ATL-PAF75	1	115	8.5	2"	5950	5270	4560	3750	2830	1770	550	-		**774.29**

Pumps

Atlantic Tidal Wave Solids Handling Pumps

2 Year Warranty

Handles solids up to 1-1/4" diameter, non-corrosive composite housing, Oil free design, vortex impeller, overload and thermal protection, light weight and energy efficient. 16' power cords.

Tidal Wave SH-Series Features:

* Handles solids up to 1-1/4" diameter (1-1/2 for 5000 and 6000)
* Non-corrosive composite housing
* Oil-free design
* Vortex Impeller
* Overload and thermal protection
* Lightweight and energy efficient
* 2-year warranty (see terms & conditions)
* Full color packaging

			GPH @ FEET OF HEAD							
PRODUCT	AMPS	DIS-CHARGE	5'	10'	15'	20'	25'	30'	SHUT OFF	LIST PRICE
ATL-SH1450	1.8	1-1/4"	1170	650	-	-	-	-		**240.00**
ATL-SH2050	2.4	1-1/4"	1700	1130	235	-	-	-		**280.00**
ATL-SH3600	4.8	1-1/4"	3245	2750	2090	1210	-	-		**391.43**
ATL-SH5000	6.1	1-1/2"	4350	3620	2800	1875	825	-		**594.29**
ATL-SH6500	6.5	1-1/2"	5710	4875	4000	3080	2110	1085		**622.86**

### Atlantic Tidal Wave 2 Pumps

2 Year Warranty

Perfect for pond and waterfall applications, these pumps deliver high volumes with direct drive efficiency. Compact size. Safe for fish, contains no oil. 32' power cords.

Tidal Wave 2 Series Features:

* High efficiency in a compact size
* Low maintenance and energy efficient
* 2-year warranty (see terms & conditions)
* Full color packaging
* Safe for fish, contains no oil

			GPH @ FEET OF HEAD							
PRODUCT	WATTS	DIS-CHARGE	5'	10'	15'	20'	25'	30'	SHUT OFF	LIST PRICE
TW1900	130	1"	1900	1440	900	360	-	-	18'	**214.29**
TW2400	175	1"	2400	1950	1390	825	220	-	22'	**242.86**
TW3700	355	1-1/2"	3730	3010	2230	1425	660	-	24'	**425.71**
TW4800	425	1-1/2"	4800	4000	3140	2228	1260	-	27'	**468.57**
TW6000	495	2"	6000	5400	4050	3000	1930	852	29'	**511.43**
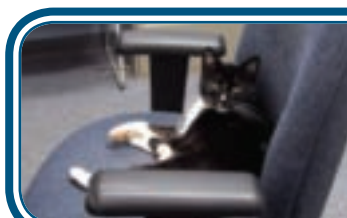
Mommy cat decided to make an appearance this year

CAL Torpedo Pumps - Use in or out of water

(1 YEAR WARRANTY)

These lightweight pumps are water-cooled, use no oil, and can be used in or out of water. Great for applications such as water displays, ponds, aeration, waterfalls, and to power large biofilters.
• Low Profile • Threaded Suction/Discharge are same size • Great for Skimmers • Pump can be used in upright position
• 100' Cords available in T4000, T7500 & T10000

PRODUCT	SIZE	SUC/ DIS.	CORD LENGTH	AMPS (max)	WATTS (max)	MAX. FLOW	MAX HT.	GPH @ FEET OF HEAD						LIST
								1'	5'	10'	20'	25'	30'	
CAL-T01500	10 1/2" x 5 1/4" x 6"	1"	20'	2.5	280	1518	28'	1488	1368	1212	798	480	-	**209.99**
CAL-T04000	13 3/8" x 6 3/4" x 6"	1 1/2"	20'	4.45	520	4200	28'	4116	3672	3110	1830	960	-	**249.99**
CAL-T07500	15 1/2" x 7 3/4" x 6 3/4"	3"	40'	8.3	953	9300	33'	9100	8010	6660	3950	2600	1240	**439.99**
CAL-T10000	15 1/2" x 7 3/4" x 6 3/4"	3"	40'	10.4	1214	10500	33'	10200	9320	7750	4590	3010	1430	**499.99**

CAL Waterfall Pumps

(1 YEAR WARRANTY)

These high volume waterfall pumps are completely constructed of non-corrosive components, using ceramic mechanical seals & brass inserts in the discharge line. The PW1200 has a 1" MNPT discharge. The larger sizes 2, 3, 4 & 5000 are a 1 1/4" FNPT discharge and include a 1 1/4" x 2" NPT adapter.

Direct Drive Waterfall Pumps — GPH@ FEET OF HEAD

PRODUCT	SIZE	CORD LENGTH	AMPS (max)	MAX. FLOW	MAX HT.	1'	5'	10'	15'	20'	25'	30'	LIST
CAL-PW1200	5^{3}/4" x 8^{3}/4"	20'	1.65	1370	19'	1325	1150	875	550	-	-	-	**169.99**
CAL-PW2500	7^{3}/4" x 11^{1}/2"	20'	2.85	3100	19'	2880	2220	1395	560	-	-	-	**209.99**
CAL-PW3500	7^{3}/4" x 11^{1}/2"	20'	3.6	3900	23'	3840	3220	2400	1530	575	-	-	**239.99**
CAL-PW4500	7^{3}/4" x 12^{1}/2"	20'	6.2	5200	25'	5040	4490	3700	2825	1750	-	-	**269.99**
CAL-PW5500	7^{3}/4" x 12^{1}/2"	20'	8.1	5750	33'	5620	5160	4500	3795	3000	2090	1000	**309.99**

CAL Waterfall Pumps
1 Year Warranty

These high volume magnetic pumps are durable, reliable, and energy-efficient. Their power and simplicity of operation make them the perfect choice for many water gardening applications, especially waterfalls. To install inline, remove the bottom screen. One year warranty. Uses up to 40-60% less electricity then direct drive pumps. No seals, no oil. 1 ½ " FNPT discharge. 1 ½ " MNPT suction. 20' power cord.

Magnetic Drive Waterfall Pumps - 1 1/2" NPT Suction & Discharge — GPH@ FEET OF HEAD

PRODUCT	SIZE	CORD LENGTH	AMPS (max)	MAX. FLOW	MAX HT.	1'	5'	10'	15'	20'	25'	30'	LIST PRICE
CAL-PWM2600	6 1/4" x 10 1/4"	20'	1.85	3500	15'	3300	2325	1100	-	-	-	-	**194.99**
CAL-PWM3900	6 1/4" x 11 1/2"	20'	3.0	4100	16'	4050	3900	2280	1270	-	-	-	**219.99**
CAL-PWM5200	6 1/4" x 11 1/2"	20'	5.0	5200	25'	5200	4160	3140	2100	1060	-	-	**284.99**

CAL Low Profile Pumps - Submersible

• One year warranty, • Ceramic shaft, • No seals, no oil, • PLP2000/3000 have a 1in. intake and discharge that will accommodate NPT fittings, • UL listed for consumer confidence
Pump Applications: Waterfalls and streams, Ponds and water gardens, Large statuary, Biological and UV filters, Koi ponds

Low Profile Magnetically Coupled Waterfall Pumps - One Year Warranty

MODEL	AMPS MAX.	WATTS MAX.	MAX FLOW	MAX HT.	1'	5'	10'	15'	20'	25'	LIST PRICE
CAL-PLP2000	1.7	205	2150	14.2'	1940	1200	500	-	-	-	**188.99**
CAL-PLP5000	8.4	960	550	25.3'	5400	4900	4150	3300	2150	350	**314.99**

Pumps

Commercial Pumps

Little Giant / Dominator High Volume Pumps

(1 YEAR WARRANTY)

The Dominator submersible pumps are specifically engineered to handle the demanding tasks of agricultural, industrial, commercial, and residential applications of light to medium water transfer demands.

Little GIANT Pump Company

Cast Iron / Oil Filled

PRODUCT	MODEL	VOLTS	DIS-CHARGE	CORD LENGTH	MAX. FLOW	MAX HT.	GPH@ FEET OF HEAD				LIST
							5'	10'	15'	20'	
LG506775	6E-CIM	115 V	1 1/2"	25	3000 gph	20'	3000	2520	1500	-	**264.00**
LG509400	9S-CIM	115 V	2"	15'	4800 gph	18'	4800	3000	1200	-	**431.00**
LG511461	ES50	115 V	2"	20'	5100 gph	18'	7200	5100	2880	750	**594.00**
LG511480	10SH-CIM	230 V	2"	15'	7200 gph	28'	7200	6000	4500	2880	**648.00**
LG511420	10SH-CIM	115 V	2"	15'	7200 gph	28'	7200	6000	4500	2880	**600.00**
LG511525	10SH-CA-RFS*	115 V	2"	25'	7200 gph	28'	7200	6000	4500	2880	**663.00**
LG514321	14S-CIM	230 V	2"	20'	8100 gph	25'	8100	6000	4080	2880	**1021.00**
LG514320	14S-CIM	115 V	2"	20'	8100 gph	25'	8100	6000	4080	1920	**1006.00**
LG514620	16S-CIM	230 V	3"	20'	10800 gph	35'	10800	9600	7800	1800	**1260.00**

* RFS - Float Switch

C.M.I. PUMPS – AXIAL FLOW

(1 YEAR WARRANTY)

An economical solution for high-volume, low-head flow applications. The Carry line offers single pumps with the capacity for 50 to 1,450 GPM at 2-25 feet of total dynamic head. Carry Stainless Steel Axial-Flow Submersible pumps employ axial-flow lift. Smooth, low-vibration and low-pressure axial-flow lift is more efficient than centrifugal force for low-head, high-volume pumping. Construction is all stainless. Within a horsepower range, several different impeller trims are available. Single or three phase available. Pumps priced as following: 1 - 1 1/2 HP - Pump Only (2 wire cord), 2 - 15 HP - Pump & standard control panel. 30 Foot power cords. Male threaded discharge. Horizontal models only. **Call for 3 phase pricing. Longer cords lengths available.**

PRODUCT	HP	DIMENSIONS	DIS-CHARGE	VOLT	AMPS (max)	MAX HT.	GPM@ FEET OF HEAD										LIST
							4'	6'	8'	10'	12'	14'	16'	18'	20'	22'	
CP 400-1	1/2	13.25" x 7.25" x 9.6"	4"	115/230	10 / 5	12'	200	165	125	75	-	-	-	-	-	-	**1,400.00**
CP 400-2	1/2	17.25" x 7.25" x 9.6"	4"	115/230	5.0	7'	340	310	-	-	-	-	-	-	-	-	**1,400.00**
CP 400-1	3/4	13.5" x 7.25" x 9.6"	4"	230	6.8	12	200	165	130	100	-	-	-	-	-	-	**1,525.00**
CP 400-2	3/4	13.5" x 7.25" x 9.6"	4"	230	6.8	9	350	310	260	-	-	-	-	-	-	-	**1,525.00**
CP 400-1	1	15.25" x 7.25" x 9.6"	4"	230	8.2	12	200	165	130	100	-	-	-	-	-	-	**1,630.00**
CP 400-1	1	15.25" x 7.25" x 9.6"	4"	230	8.2	12	340	310	260	210	-	-	-	-	-	-	**1,630.00**
CP 401-2	1 1/2	17.25" x 7.25" x 9.6"	4"	230	10.6	15'	170	140	130	110	90	70	-	-	-	-	**2,140.00**
CP 401-1	1 1/2	17.25" x 7.25" x 9.6"	4"	230	10.6	16'	340	300	255	210	170	130	-	-	-	-	**2,140.00**
CP 402-2	2	19.75" x 7.25" x 9.6"	4"	230	10	17'	330	300	260	225	180	150	110	-	-	-	**2,861.45**
CP 402-3	2	19.75" x 7.25" x 9.6"	4"	230	10	10.5'	475	430	375	280	-	-	-	-	-	-	**2,861.45**
CP 605-1	5	25.5" x 12" x 9.6"	6"	230	23	22	810	780	740	710	695	640	600	560	535	-	**5,156.45**
CP 605-2	5	25.5" x 12" x 9.6"	6"	230	23	15	1060	1040	1000	950	910	850	-	-	-	-	**5,156.45**

* Horizontal Pricing only, Please call for Vertical Pump Pricing.

C.M.I. PUMPS – AXIAL FLOW EXTREME MODELS

PRODUCT	HP	DIMENSIONS	DIS-CHARGE	VOLT	AMPS (max)	MAX HT.	GPM@ FEET OF HEAD										LIST
							4'	6'	8'	10'	12'	14'	16'	18'	20'	22'	
CPE6020-1	2	21" x 7.25" x 9.6"	6"	230	10	8	450	420	390	-	-	-	-	-	-	-	**2,861.45**
CPE6030-1	3	24" x 7.25" x 9.6"	6"	230	14	12	550	525	500	460	-	-	-	-	-	-	**3,651.45**

Carry Fountain Pumps - (1 YEAR WARRANTY)

304 Stainless Steel construction. Single stage turbine pump. Franklin electric or Sumoto Motor (w/ ball bearing & Mechanical seal). Available 1-1/2 HP or 3 HP. 1-1/2 HP pumps avail. with 2" or 3" discharge. 3 HP pumps avail with 3" discharge. Single or three phase. Vertical or Horizontal models. PVC screen. Requires a control panel

				GPH@ FEET OF HEAD											
H.P.	MODEL	DIS-CHARGE	VOLTS	10'	15'	20'	25'	30'	35'	40'	45'	50'	55'	LIST PRICE
1-1/2	F20150-123	2"	230/1PH	158	149	138	125	115	105	96	84	63	56	**1800.00**
1-1/2	F30150-123	3"	230/1PH	158	149	138	125	115	105	96	84	63	56	**1800.00**
3	F30300-123	3"	230/1PH	250	240	230	220	210	200	180	160	150	140	**2520.70**

Fountain Pumps - (1 YEAR WARRANTY)

These pumps are specially designed for use in dramatic, decorative water displays. Features include the following: Heavy duty wrap around stainless screen eliminates the need for a separate strainer. Bronze and corrosion-resistant materials built-in for a long and trouble free life. Automatic current and thermal overload protection. Standard cord length 12'.

									GPH@ FEET OF HEAD						
H.P.	MODEL	DIS-CHARGE	VOLTS	AMPS	5'	10'	15'	20'	25'	30'	35'	40'	44'	50'	55'	LIST
$1/3$	PFU031	$1^1/2$"	115	8	3960	3720	3300	2880	2220	1320	-	-	-	-	-	**1519.50**
$1/2$	PFU051	$1^1/2$"	115	9.5	-	4680	4200	3840	3420	2880	2160	1200	-	-	-	**1618.50**
$3/4$	PFU071	$1^1/2$"	115	12	-	5700	5460	5100	4680	4140	3540	2820	1800	240	-	**1633.00**
1	PFU102	$1^1/2$"	230	7	-	-	5940	5580	5220	4800	4200	3480	2580	1560	120	**1380.00**

Lifeguard Sea Horse Pumps

Self-priming, fiberglass reinforced, 1 1/2" suction and discharge ports. Clear strainer pot lid and large strainer basket, Unique diffuser and impeller provide excellent pressure performance across a wide range of desired gallon per minute flow rates, user friendly drain plugs. One year warranty.

						GPM @ FEET OF HEAD			
PRODUCT	HP	VOLTS	AMPS	MAX HT.	MAX FLOW	5'	8'	10'	LIST PRICE
PENT-R175303	1/6	115	3.56	12'	2280	38	30	10	**422.76**

Pentair - Dynamo® Pumps without cord

Swimming pool pump. Two Speed. Self-priming design ensures long life, Reinforced fiberglass for strength and durability, see-thru lid, user-friendly drain plugs.

						GPM @ FEET OF HEAD							
PRODUCTS	VOLTS	AMPS	HP	DIS-CHARGE	MAX HT.	15'	20'	25'	30'	35'	40'	45'	50'	LIST PRICE
PENT-340203	115	8.8/2.6	3/4	1 1/2"	48'	76	70	60	51	41	30	15	-	**547.24**
PENT-340204	115	11.0/2.9	1	1 1/2"	51'	-	81	75	65	55	45	30	15	**567.00**

Dolphin Big Mo Self Priming Pump

(1 Year Full Warranty, 9 Year Extended Factory Service Warranty)

The Big Mo external pond pumps include a leaf basket and 3" check valve.

- Weather Proof
- TEFC Motors (Totally enclosed fan cooled)
- Lowest energy consumption per gallon pumped
- 3" inlet/outlet Unions
- 115V, 15' cord
- Whisper quiet, extremely cool operation
- Pump Dimensions 31" x 9-7/8" x 16 7/8"

										GPH@ FEET OF HEAD					
PRODUCT	MODEL	MAX WATTS	CORD LENGTH	RPM	HP	AMPS (max)	MAX. FLOW	MAX HT.	5'	10'	15'	20'	25'	30'	35'	LIST PRICE
DOLPHIN-24461	10,500	540	15'	1725	1/2	4.9	12420	36'	10500	9900	8100	6120	1500	-	-	**1925.00**
DOLPHIN-24467	12,500	770	15'	1725	3/4	7.4	13380	38'	12500	12000	10380	8400	6000	3540	60	**1983.70**

Pumps

External Pumps

Dolphin Pump Line

(1 YEAR WARRANTY)

Extremely efficient pump!
The Amp-Master & Aqua-Sea Series are designed to be extremely quiet with low vibration. Excellent for use in freshwater, marine, reef, large aquariums & Aqua Culture Facilities. Flooded Suction. 2" Suction & discharge unions included. Priming/strainer pots not included w/ 2" suction & discharge. All pumps are 115v. 230v available upon request.

GPH@ FEET OF HEAD

PRODUCT	MODEL	HP	AMPS (max)	MAX. FLOW	MAX HT.	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'	55'	60'	LIST PRICE
DOLPHIN-73227	3200/2700	1/15	1.0	3400	12'	2700	1800	-	-	-	-	-	-	-	-	-	-	755.20
DOLPHIN-74030	4000/3000	1/15	1.21	4500	18'	3400	2220	800	-	-	-	-	-	-	-	-	-	687.60
DOLPHIN-75647	5600/4700	1/3	3.3	6000	22'	5700	4080	2880	-	-	-	-	-	-	-	-	-	764.00
DOLPHIN-77565	7500/6500	1/3	4.4	7500	22'	6600	5520	1920	-	-	-	-	-	-	-	-	-	825.00
DOLPHIN-76850	9700	1	9.4	9700	47'	9300	8700	7980	7380	6540	5520	4260	2580	960	-	-	-	935.00
DOLPHIN-79200	11,500	3	11.36	11500	62'	11280	10800	10260	9720	9180	8520	7800	6720	5520	4080	2280	480	1100.00
DOLPHIN-60150	1.5" Priming Pot																	130.76
DOLPHIN-60200	2" Priming Pot																	

Performance Pro Artesian

Self-priming energy efficient pump. Applications above water level. Lexan lid provides easy access to integral strainer pot basket. 2" NPT suction & discharge. Designed for quiet operation.

3 Year Warranty - C = With Power Cord

GPM @ FEET OF HEAD

PRODUCT	HP	VOLTS	WATTS	MAX HT	MAX FLOW	5'	10'	15'	20'	LIST PRICE
PPP-A012-35C	1/8	115	187	18'	3600 gph	53	40	19	-	608.5
PPP-A025-49C	1/4	115	316	22'	5160 gph	85	68	48	16	651.50
PPP-A033-56C	1/3	115	428	26'	5652 gph	100	88	73	50	685.50
PPP-A050-75C	1/2	115	645	25'	7800 gph	-	128	105	70	728.50

Artesian High Flow - C = With Power Cord

PRODUCT	HP	VOLTS	AMPS	MAX HT	MAX FLOW	10'	20'	30'	40'	LIST PRICE
PPP-A050-HF-C	1/2	115/230	4.35	51	6780	107	90	74	56	587.50
PPP-A075-HF-C	3/4	115/230	5.46	52	8040	132	115	98	78	636.50
PPP-A100-HF-C	1	115/230	7.15	49	10560	-	155	126	85	685.50
PPP-A150-HF	1-1/2	230	8.77	56	11940	-	188	160	130	723.00
PPP-A200-HF	2	230	9.98	55	13020	-	210	180	145	800.00
PPP-A300-HF	3	230	13.1	62	14160	-	235	210	178	878.00

Artesian PRO - C = With Power Cord

PRODUCT	HP	VOLTS	WATTS	MAX HT	MAX FLOW	5'	10'	15'	20'	LIST PRICE
PPP-AP025-66-C	1/4	115/230	370	21	6600	100	80	58	15	806.50
PPP-AP033-73-C	1/3	115/230	460	23	7320	112	94	70	38	860.50
PPP-AP050-92-C	1/2	115/230	620	24	9240	148	128	100	58	906.50
PPP-AP075-112-C	3/4	115/230	830	23	10500	174	150	120	66	996.50
PPP-AP100-130-C	1	115/230	970	24	12000	-	180	150	114	1046.50

Artesian Pro High Flow - C = With Power Cord

PRODUCT	HP	VOLTS	AMPS	MAX HT	MAX FLOW	10'	20'	30'	40'	LIST PRICE
PPP-AP050-HF-C	1/2	115/230	4.4	39	9120	135	108	75	-	792.50
PPP-AP075-HF-C	3/4	115/230	5.6	41	10740	165	135	93	15	829.50
PPP-AP100-HF-C	1	115/230	7.4	45	13380	215	185	145	75	932.50
PPP-AP150-HF	1-1/2	230	8.8	50	14460	235	205	170	130	950.00
PPP-AP200-HF	2	230	9.9	55	15360	-	223	195	144	1020.00
PPP-AP300-HF	3	230	13.2	59	17640	-	263	230	185	1100.00
PPP-AP500-HF	5	230	19.1	72	20400	-	228	295	262	1300.00

Performance Pro Cascade

Flooded suction energy efficient pumps. Strainer pot may be attached to facilitate priming and strain inflow. Designed for quitet operation. 1 1/2" NPT Suction and discharge.
3 Year Warranty

PerformancePro

GPM @ FEET OF HEAD

PRODUCT	HP	VOLTS	WATTS	MAX HT.	MAX FLOW	5'	10'	15'	20'	LIST PRICE
PPP-C012-22	1/8	115/230	120	16'	2200 gph	35	24	10	-	370.50
PPP-C012-26	1/8	115/230	159	20'	2616 gph	43	34	23	-	386.50
PPP-C012-36	1/8	115/230	186	16'	3612 gph	-	52	22	-	572.75
PPP-C025-44	1/4	115/230	289	22'	4404 gph	-	73	58	31	446.50
PPP-C025-49	1/4	115/230	367	23'	4944 gph	-	-	76	52	646.72

Cascade High RPM

PRODUCT	HP	VOLTS	AMPS	MAX HT.	MAX FLOW	10'	20'	30'	40'	LIST PRICE
PPP-C033	1/3	115/230	3.6	56'	2370 gph	35	27	19	11	392.50
PPP-C050	1/2	115/230	4.4	71'	3570 gph	58	49	42	33	419.50
PPP-C075	3/4	115/230	5.9	79'	4818 gph	-	78	72	64	452.50
PPP-C100	1	115/230	8.1	80'	6402 gph	-	106	98	87	494.50

PRODUCT	DESCRIPTION	LIST PRICE
PPP-MPP-10	Strainer Pot w/ 1 1/2" MPT Adapter	78.78
PPP-MPP-20	Strainer Pot	78.78
	Cord & plug	11.50

Pentair EQ Series Pumps

Injection Molded, Commercial Pumps designed for large pools, fountains and water attractions demanding high flow rates and continuous operation.

Pentair

GPM @ FEET OF HEAD

PRODUCT	HP	VOLTS	AMPS	MAX HT	MAX FLOW	10'	15'	20'	25'	LIST PRICE
PENT-340026	3	115/230	38/19	28'	450 gpm	425	380	310	180	9,505.50
PENT-340030	5	230	19.6	80'	400 gpm	400	380	360	430	8,836.18

Pentair Waterfall– Self-priming Pumps

Custom designed for the demands of water features such as fountains, waterfalls and other special pool features. Designed for low head applications that require 135-180 GPM's. 60% quieter, 60% less energy used than standard pumps. With an extra large strainer basket that extends time between cleaning. 2" suction/discharge. 3" Suction & discharge on PENT_34353.

Pentair

GPH@ FEET OF HEAD

PRODUCT	DIMENSIONS	VOLTS	AMPS (max)	MAX. FLOW	MAX HT.	6'	8'	10'	12'	14'	16'	18'	20'	22'	24'	26'	LIST
PENT-340350	2' x 12" x 16^{3}/8"	115/230	8/4	5130	27	5100	4920	4650	4350	3960	3600	3180	2760	2250	1500	-	1441.50
PENT-340351	2' x 12" x 16^{3}/8"	115/230	8/4	7320	28	7200	6900	6540	6000	5700	5100	4560	3960	3240	2400	900	1357.10
PENT-340352	2' x 12" x 16^{3}/8"	115/230	14/7	9600	28	9540	9060	8640	8160	7650	7080	6450	5700	4800	3600	1500	1959.90
PENT-340353	29^{3}/4" x 12" x 15"	115/230	14/7	10950	30	10860	10500	10020	9450	8850	8250	7560	6780	5760	4200	1800	2144.10

Little Giant OPWG Series Pumps

Little **GIANT** Pump Company

1 Year Warranty

Designed for water gardening, energy efficiency, and ease of maintenance. It is quieter than a submersible pump, equivalent to a small electrical fan at 52dB. Flooded Suction Pumps, Self priming with leaf basket.

GPH@ FEET OF HEAD

PRODUCT	MODEL	HP	AMPS (max)	VOLTS	MAX. FLOW	MAX HT.	3'	5'	8'	10'	15'	20'	LIST PRICE
LG566020	OPWG-29	1/8	1.1	115	2100	11'	2100	1740	1020	300	-	-	338.00
LG566021	OPWG-46	1/8	1.3	115	3180	12'	3180	2760	2100	1560	-	-	382.00
LG566023	OPWG-71	1/6	2.5	115/230	4260	21'	-	4260	3800	3540	2700	600	590.00
LG566024	OPWG-97	1/4	3.5	115/230	5820	22'	-	5820	5400	5040	4080	2700	677.00
LG566106	Leaf Basket - Acts as a priming chamber												93.00

Coastal Pond Supply & Coastal Fountain Supply

Pumps

Atlantic Typhoon Air Pump

Ideal for aeration in the summer months and winter time de-icing. Unlike floating de-icers that often fail in extreme temperatures and heavy snowfalls, the TA2200 will maintain a hole in the ice in the harshet of conditions. 25 Watt power consumptions.

PRODUCT	MODEL	WATTS	VOLTS	MAX PRESSURE	MAX DEPTH	LIST PRICE
ATL-TA2200	Typhoon Air	25 watts	115	4 psi	9'	**150.00**

Air Pumps

DANNER PONDMASTER

Pondmaster AP Series Air Pumps

Operates on standard 110v with a 6ft power cord. Oil-free motor. For outdoor applications it is recommended that the unit be enclosed to protect it from the elements.
Uses: Oxygenates ponds and aquariums, promotes healthier fish and aquatic plant life, increases the breakdown of fish waste, prevents icing over in outdoor ponds.

PRODUCT	WATTS	DISCHARGE	AIR VOLUME	MAX DEPTH	WEIGHT	LIST PRICE
DAN-04520	20	1/2" ID	1700 cu.in/min	7'	7 lbs	**176.92**
DAN-04540	40	5/8" ID	2900 cu.in/min	10'	9 lbs	**176.92**
DAN-04560	50	3/4" ID	5500 cu.in/min	9.6'	14 lbs	**223.71**
DAN-04580	100	3/4" ID	9150 cu.in/min	11.5'	16.5 lbs.	**253.84**

SUNTERRA

Sunterra Aerating Air Pump & Diffusers

• 2 Aerator Stones & Pump
• 120v, 60 hz, 3.4 watts, 0.04 A
• UL Listed

PRODUCT	MODEL	DIMENSIONS	LIST PRICE
SUN-210100	Aerator Diffuser	5" x 8" x 8"	**51.72**

Little GIANT Pump Company

Little Giant Pond Air Pump

Submersible or out of pond air pump. Includes tubing and diffuser. Provides valuable pond aeration for plants and fish. Can be used underwater or above ground.

PRODUCT	MODEL	WATTS	VOLTS	MAX DEPTH	LIST PRICE
LG566535	Pond Air Pump	5	115	3'	**54.00**

Alita Air Diffusers

Extremely durable and washable (reusable) air diffusing media. Manufactured with brown Adamantine Spar (corundum/alumina) under ultra high temperature and pressure. Applicable in Acidic or Alkaline waters (low or high pH). Ozone resistant (except rubber bumpers on C30D series). Suitable for aquarium, koi pond, fish hatchery and aquaculture applications. Dimension: 1.2in Diameter x 6in. Fitting: 1/4in, 1/2in. Accessory: 3/16in adapter

PRODUCT	SIZE	LIST PRICE
ALITA-C30-109CN	1.2" x 9"	**22.50**

Air Diffusers

Fine Bubble Membrane Diffusers

The heavy duty membrane with highly durable base which is constructed of modeled polypropylene. The precision perforated 'I' slits open when airflow is present, close when airflow is stopped, resist tearing, and stay cleaner longer. A standard 3/4" diffuser pipe thread makes it convenient to replace other coarse bubble diffusers.

PRODUCT	INLET	DISC SIZE	MATERIAL	LIST PRICE
AIRDIFFUSER05	3/4" MPT	5"	EPDM Membrane	16.00

Porous Fine Bubble Diffuser

High-density polyethylene tubes have excellent resistance to chemicals and abrasion.

PRODUCT	OUTER DIA.	INNER DIA.	LENGTH	PORE SIZE	MATERIAL	LIST PRICE
AIRDIFFUSER09	0.98"	0.75"	15.75"	2-40u	HDPE	45.00

Aqua Control

WATER FEATURES™

Aqua Control Shallow Pond Aerator Kits

3 Year Warranty

Designed to aerate water bodies as ornamental backyard ponds or ponds up to two surface areas, these energy-efficient pumps operate in water bodies less than 6' deep.

NEW for 2010

Features:
* Stainless steel diffuser base designed to land upright when placed into pond and the large are of the base resists sinking into the pond bottom.
* Increases oxygen levels in pond which reduces fish stress.
* Increases breakdown of fish waste by providing the habitat for beneficial pond bacteria to flourish.
* In continuously freezing climates, keeps open areas in the ice to allow toxic gases to escape and sunlight to enter.
* Lifts harmful gases to the surfaces and replaces them with oxygen.
* Promotes a healthy ecosystem by creating equal water temperatures from top to bottom.
* Silent and oil-free.
* Compressor housed in heavy, cast aluminum rainproof enclosure.
* UL listed and CE approved for outdoor operation.

PRODUCT	KIT DETAILS	DIFFUSERS	POND DIAMETER	VOLTS	LIST PRICE
AQUA-SP10	Includes 25' of 3/8" Self-Weighted Tubing	1	Up to 25'	120V	499.00
AQUA-SP20	Includes 100' of 3/8" Self-Weighted Tubing	2	Up to 70'	120V	699.00
AQUA-SP30	Includes Manifold (Tubing sold separately)	3	Up to 1 surface area	120V	999.00
AQUA-SP40	Includes Manifold (Tubing sold separately)	4	Up to 2 surface areas	120V	1,299.00
A-2001-100	100' Self-Weighted Air Tubing 5/8"		100'		119.00

Foggers

Without Lights

Includes outdoor transformer.

LG566529

PRODUCT	DESCRIPTION	LIST
LG566529	Fogger Single	49.00
CAL-LFLT	Float for Fogger or Egglite	4.99

Fountains & Accessories

Fountain Jets & Accessories

Coastal Pond and Fountain Supply provides a wide range of quality fountain components, such as PEM fountain equipment & sprayheads, OASE parts, structural fiberglass units, and other fountain or pond basins. If you have looked through this section of our catalog, and have not been able to find the effect or size that you want, please call us and we will be more than happy to assist you in your fountain ventures.

PEM Fountain Products – Commercial

PEM

**PLEASE CALL FOR PRICES ON ALL PEM PRODUCTS.
Visit www.coastalfountain.com for pictures and more info.**

PEM 15-0 - Waterlevel Independent Partial Immersible Cascade Jets

PEM 15 Series Jets are made of cast bronze, brass and copper. The jets are designed for use with 'dirty' water as they can digest solids. They have the best foaming / white water spray effect in the lower sprayheights. The air intake has to be well above water level if the jets are immersed into a pool to avoid surge oscillating.

SPRAY HT FT	15-3 - 1" NPT THD		15-6 - 1 1/2" NPT	
	GPM		GPM	THD
1	15.1	7.5		
2	18.3	11.2		
3	22.5	15.4	50.5	6.5
4	24.9	18.0	56.1	7.4
5	27.0	21.0	59.0	9.0
6	29.6	23.9	65.0	10.9
8	33.6	28.5	76.9	13.2
10	37.0	32.5	88.6	16.4
12	40.5	36.7	105.7	19.7

PEM 16-0 Waterlevel Independent Partial Immersible Cascade Jets

PEM 16-0 Series jets are made of cast bronze, brass and copper. To avoid surge oscillation the air intake has to be well above waterlevel if they are immersed into a pool. This version of PEM's cascade jet is supplied with internal adjustment to provide one of two spray effects "A", a slender aerated cascade spray using less water & pressure, or "B", a heavy very impressive cascade spray using more water & pressure. Low to intermediate spray heights are most recommended.

VERTICAL PERFORMANCES

Spray Height (FT)	PEM 16-3 - 1" MNPT (GPM)	THD	PEM 16-7 - 3" FNPT "A" (GPM)	"A" THD	"B" (GPM)	"B" THD
1	19.3	11.2	Max Submersion 13.04"			
2	24.9	15.7				
3	32.8	22.0				
4	36.2	25.3				
5	41.1	29.5	108	12		
6	45.9	33.9	125	15	148	19
8	54.7	39.4	135	19	162	21
10	59.7	44.9	148	24	173	27
12	64.8	50.2	164	29	190	31
15	Max Submersion 3.67"		185	34	211	34
20			214	40	243	47

16-7

16-3

1' Spray Height

3' Spray Height

5' Spray Height

PEM

PEM 18 Series Small - Large Bell Jets PEM Chrome Plated Jets

PEM 18-3 are made of copper, brass and bronze, stainless steel fitted. Deflector plate is adjustable for diameter of bell. Performance Range for all 18-3, variable due to adjustment.

Dia 8" - 30"	GPM 1.6 - 8	THD + Elevation of Nozzle 2.5' - 4'	OVERALL NOZZLE HEIGHT	Dia 2' - 4'	GPM 2.5 - 14	THD + Elevation of Nozzle 2.5' - 4'	OVERALL NOZZLE HEIGHT
18-1A	1/2"		6"	18-3A	1" FIPT		12"
18-1B	1/2"		9"	18-3B	1" FIPT		18"
18-1C	1/2"		12"	18-3C	1" FIPT		24"
18-1S (stand)	1/2"		3.50"	18-3S (stand)	1" FIPT		2.0"

PEM 32 Medium / Large Spray Apron Jets - Playground Jets

PEM - Medium - Large Brass Jets 32 Spray Apron Jets
PEM 32 Spray Apron Spray Heads are designed to be cast into concrete, flush with surface installation in unsupervised public playgrounds. The spray head is vandal resistant, and requires a **PEM 32-1** wrench to remove nozzle plate from the body. For ease of installation, the spray heads can be mounted on PEM 538, 3/4" swivel unions.

VERTICAL PERFORMANCES			
Spray Hght FT.	Dia	GPM	THD
4.0	2	10.0	6.0
5.0	3	12.0	7.0
6.0	4	14.0	8.0
8.0	5	18.0	11.0
10.0	6	22.0	16.0

SPECIFICATIONS	
PEM#	32
Thread pipe size	3/4" FNPT
# of Nozzle Orifices	12
Nozzle Orifice size	.094"

CIRCULAR SPRAY PATTERN*
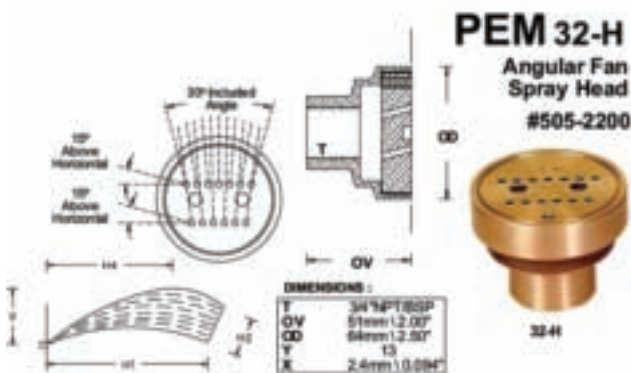
Fountains & Accessories

Fountain Jets & Accessories

PEM

PEM 32-H Medium / Angular Fan Spray Head

Pem 32-H Angular Fan Spray Head is designed for flush installation into the free board of swimming pools in warm climates to spray low over the pool and cool the pool water by evaporation. The spray normally is operated by the filter return. This spray head can also be used for decorative purposes by casting it into walls. The face of the spray head is smooth; the faceplate is equipped with a setscrew to permit alignment of spray. The faceplate can only be removed with **Pem32-1**, 2-prong wrench. The spray head is made of bronze and brass, with stainless steel set screws and a natural machined finish.

Playground, Swimming Pool or Spa Jets
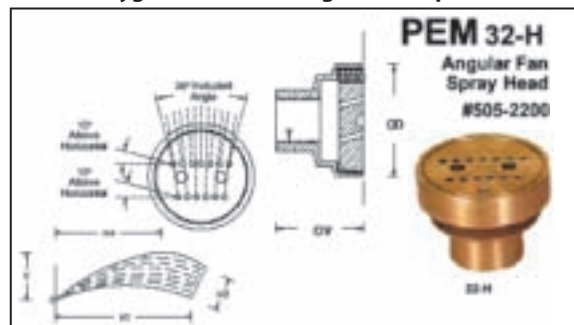
SPECIFICATIONS	
PEM#	32-H
FIPT	3/4" FNPT
Dia	2.0"
OD	2.50"
# of Nozzle Orifices	13
Nozzle Orifice size	.094"

VERTICAL PERFORMANCES					
H1	**H2**	**H3**	**Spray Hght FT.**	**GPM**	**THD**
5	3.0	2.3	.9'	7.5	7
10	5.8	4.8	1.4'	11.5	12
15	8.4	7.2	2.8'	16.0	18
20	11.6	9.6	3.5'	21.0	24

PEM 34 Medium / Large Columnar Cluster Jets

PEM - Medium - Large Brass Jets
34 Columnar Cluster Jets

PEM 34 is made of cast bronze and brass, machined finish. PEM 34 Columnar Cluster Jet is designed for the creation of a low pressure but highly visible column of spray. The spray pattern resembles a 2" vertical column of water. Water level independent.

SPECIFICATIONS	
FNPT	1 1/4"
# of Nozzles	24
Nozzle Orifice size	.187"

PERFORMANCES		
Spray Hght FT.	**GPM**	**THD**
3	25.9	3.8
4	31.2	5.3
5	35.7	6.3
6	38.4	7.9
8	44.2	10.2
10	50.2	12.8
12	56.3	16.1
15	66.6	21.0

PEM 50 Series Medium / Large Cascade Jets

PEM - Medium - Large Brass Jets / 50 Series Cascade Jets PEM 50 Series Cascade Jets will provide highly visible frothing and foaming 'White Water' spray effects. PEM 50 Series Jets are one piece bronze castings. PEM Series Cascade Jets require a linear inflow, a constant water level and might be subject to pool surging. Water level independent.

SPRAY HT. FT.	51 1/2" NPT		52 3/4" NPT		52A 1 1/4" NPT		53 1 1/2" NPT		53A 1 1/2 NPT		54 2" NPT		54A 2 1/2" NPT		55 3" NPT	
	GPM	**THD**	**GPM**	**THD**	**GPM**	**THD**	**GPM**	**THD**	**GPM**	**THD**	**GPM**	**THD**	**GPM**	**THD**	**GPM**	**THD**
2	10.1	42	17.5	30	23	22	27.8	15	26.7	8						
3	11.7	52	19.3	34	26	25	29.4	20	31.4	11						
4	13.5	62	21.1	43	29	28	32.3	27	34.9	13	71.4	21	96	19		
5	15.7	72	23.3	51	30.9	31	35.7	33	37.8	17	77.2	25	105	22	133	20
6			25.7	61	32.5	40	39.9	37	42.7	20	85.9	30	114	25	143	26
8			29.6	77	36.5	54	46.5	50	46.6	25	93.6	36	127	37	157	32
10			33.1	83	40.4	65	50.2	60	54.8	30	100.4	45	141	48	171	36
15							67.4	83	67.7	44	107.0	57	163	77	211	56
20									77.0	57	129.2	90	185	98	246	66
30											164.0	110	245	135	330	134
40													315	168	410	174
50	Spray diameter is approx. 30-35% of spray height														524	229

Fountains & Accessories

PEM

PEM 60 Series Medium / Large Foam Geyser Jets

PEM 60 Series Jets are designed to provide, in their lowest spray-heights, white mounds of water, while at greater spray-heights to provide highly visible fluffy white spray effects. PEM 60 Series Jets are made of cast bronze with hard copper air snorkels. Water level dependent.

SPRAY HT FT	60 - 1/2" FIPT		61 - 3/4" FIPT		62 - 1" FIPT		63 - 1 1/4" FIPT	
	GPM	THD	GPM	THD	GPM	THD	GPM	THD
1	6	7	11	7	17	7	23	8
2	8	14	14	13	20	12	28	13
3	9	19	16	15	22	15	32	16
4	11	23	17	19	24	17	36	19
5	12	26	19	23	26	19	39	22
6			21	26	29	22	42	24
8			25	30	32	26	48	29
10					35	36	51	35
15							62	56
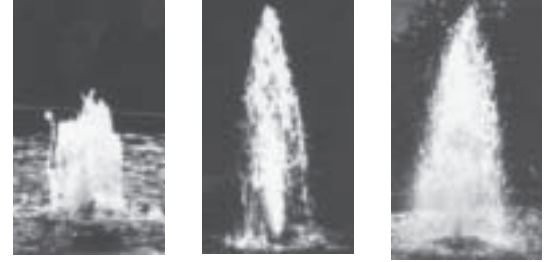
SPRAY HT FT	64 - 1 1/2" FIPT		65 - 2" FIPT		66 - 3" FIPT	
	GPM	THD	GPM	THD	GPM	THD
1	32	8	51	5	67	5
2	38	13	60	9	80	7
3	44	16	67	12	91	9
4	49	20	73	15	102	12
5	54	23	80	17	112	14
6	58	27	85	19	121	17
8	66	37	93	23	132	21
10	74	56	101	26	141	26
15	95	73	120	35	198	35
20	121	86	136	43	225	55
30			163	61	290	74
40					344	95

PEM 270 Series 3/4" - 3 Tier Fountain Heads

PEM 270 3 Tier Watercastle or fluer de lis fountainheads are made of cast bronze with copper flow diverters.

SPRAY HT FT	272 - 3/4" FIPT 19 NOZZLES			274 3/4" FIPT 37 NOZZLES		
	OD	GPM	THD	OD	GPM	THD
5	6.6	16.4	8	5.9	17.2	9
6	8.1	19.6	9	7.6	20.1	10
8	10.8	24.3	11	10.0	24.8	12
10	12.8	27.5	13	12.0	28.1	14

274

Fountains & Accessories

Fountain Jets & Accessories

PEM
PEM 280 Series 1 1/4" - 3 Tier Fountain Heads

PEM 280 3 Tier Watercastle or fluer de lis fountainheads are made of cast bronze with copper flow diverters.

SPRAY HT FT	282 - 1 1/4" FIPT 19 NOZZLES			284 1 1/4" FIPT 37 NOZZLES		
	OD	GPM	THD	OD	GPM	THD
5	5.1	22	9	3.6	33	12
8	9.2	27	15	6.3	39	24
10	14.5	31	22	9.9	44	30
12	16.4	35	27	13.2	48	35
15	20.4	42	35	17.4	56	46
20	28.9	59	52	24.3	74	64
25	35.5	82	73	29.6	105	91

282

PEM 320 - Calyx Jets

PEM Calyx jets are made of cast bronze, brass and stainless steel fitted, the plugs have thread protection and vandal resistant lock bolts. For best performances use undisturbed water supply, always mount jets on pipe risers minimum length of 5 x nominal pipe size. PEM 320 series jets produce calyx or mushroom style spray effects created by the deflecting of a flow of water at various angles from a circular orifice.

25° SPRAY ANGLE	325 1 1/2" FIPT	326 2" NPT
OD	16"	24"
HT FT	14"	16"
GPM	20	35
THD	24	36
LIST		

Available Output Plugs For All Sizes

Degrees	20°	25°	30°	35°	40°	45°
Add to #	2	3	4	5	6	7

The spray angle must be specified, otherwise 25° will be supplied

PEM 740 - Aerating Jets "White Water" Jets

PEM 740 Jets are extremely economical to use as they provide with a least possible flow of water, the maximum in visibility of spray effects. The jets are submerged to their 'UT' immersion. Built in swivel bases permit directional adjustment to approx 15° off center line. PEM 740B Series Aerating Jets are offered with suction strainer around the intake ports of the jet are to prevent leaves or debris from plugging up these ports, causing the jet orifice to spray unimpeded to the height of the operating head pressure.

No Strainer With Strainer	742A 742B		743A 743B		744A 744B		745A 745B		746A 746B		747A 747B	
FIPT	3/4"		3/4"		1"		1 1/4"		1 1/2"		2"	
OD	0.750		1.000		1.250		1.500		2.000		2.500	
NO	0.625		0.750		1.000		1.250		1.500		2.000	
SS	0.125		0.187		0.200		0.250		0.325		0.500	
UT	6.300		6.400		7.875		8.900		11.500		13.500	
HT FT.	GPM	THD	GPM	THD	GPM	THD	GPM	THD	GPM	THD	GPM	THD
3	2.2	21	4.0	16	6.1	13	8.5	12	10.3	11		
5	3.4	35	5.6	10	7.7	20	10.9	16	12.5	15	26	10
8	4.5	53	7.2	30	9.8	30	13.3	22	16.4	20	36	16
10	5.6	66	8.2	36	10.9	36	14.6	27	19.1	23	40	18
15			10.1	54	13.0	54	17.2	39	24.1	32	46	26
20					14.6	70	19.6	50	28.3	40	53	33
25							22.2	61	31.0	49	59	40
30							24.4	73	33.3	61	65	46
40									36.2	74	72	59
50											77	71
60											183	109

PEM

PEM 800 / 810 Brass Stream Jets

PEM Brass Stream Jets, directional adjustable, with built in ABS Multi Vane Flow Strainer. For higher pressure or saltwater applications use PEM 800 Series Jets in Virgin Metal Bronze or custom made 316 stainless steel. Gold or chrome plating of jets is available at extra cost.

SPRAY HT FT	804-1 1/4" MIPT NO - 0.118 SS - 0.059		804-2 1/4" MIPT NO - 0.157 SS - 0.079		805-1 3/8" MIPT NO - 0.157 SS - 0.079		805-2 3/8" MIPT NO - 0.197 SS - 0.098		805-3 3/8" MIPT NO - 0.236 SS - 0.118		808-1 1/2" MIPT NO - 0.236 SS - 0.1.25		808-2 1/2" MIPT NO - 0.315 SS - 0.125		808-3 1/2" MIPT NO - 0.394 SS - 0.125		812-1 3/4" MIPT NO - 0.472 SS - 0.125		812-2 3/4" MIPT NO - 0.551 SS - 0.125	
	GPM	THD	GPM	THD	GPM	THD	GPM	THD	GPM	THD	GPM	THD	GPM	THD	GPM	THD	GPM	THD	GPM	THD
3	0.3	4.8	0.7	4.9	0.8	3.7	1.5	4.9	1.8	3.9	2.1	4.1	3.4	3.9	5.5	4.6	7.4	4.6	9.2	6.2
4	0.4	6.4	1.0	6.5	1.0	4.9	1.7	6.1	2.0	5.2	2.3	5.3	4.0	5.2	6.3	5.9	8.5	6.6	10.3	8.5
5	0.5	7.9	1.3	8.2	1.3	6.2	1.9	7.3	2.2	6.6	2.5	6.4	4.5	6.4	7.4	7.5	9.8	8.5	11.9	10.5
6	0.7	8.6	1.4	9.5	1.4	7.2	2.1	8.8	2.4	8.0	2.9	7.9	5.0	7.9	7.9	8.9	10.8	9.8	13.2	12.1
8	0.9	11.5	1.6	13.3	1.6	9.2	2.4	11.2	2.8	10.5	3.4	10.6	5.8	10.5	8.7	11.5	12.1	12.8	15.9	15.4
10	1.2	15.4	1.9	16.7	1.9	11.0	2.7	13.9	3.2	13.0	3.9	13.3	6.4	13.4	10.0	14.4	13.7	16.4	18.5	18.4
12			2.1	20.1	2.0	13.6	2.9	16.4	3.5	15.2	4.4	16.1	7.0	16.0	11.1	16.4	15.0	19.0	21.1	21.3
15									4.6	19.2	5.0	20.3	8.2	20.7	12.4	19.7	14.4	23.6	25.6	25.2
20													9.6	29.2	14.8	25.6	21.1	31.2	30.9	33.1
25															17.4	31.2	25.6	39.0	36.2	40.6
30																			40.4	47.8

PEM 260 Series 1/2" - 3 Tier Fountain Heads

PEM 260 3 Tier Watercastle or fluer de lis fountainheads are made of cast bronze with copper flow diverters.

SPRAY HT FT	262 - 1/2" FIPT 19 NOZZLES			264 1/2" FIPT 37 NOZZLES		
	OD	GPM	THD	OD	GPM	THD
3	2.4	4.5	7.0	2.0	4.3	8
5	3.9	6.7	11	2.7	6.4	12
6	4.7	8.5	13	3.3	7.7	17

Pem 260 - 280 1 1/4" Threaded Connection 3 Tier Fountain Heads

These 3 tier, Watercastle or Fleur de Lis Fountainheads are made of cast bronze, and have no internal flow diverters. In order for these jets to work correctly proper suction straining must be used.

5	5.1	22	9	3.6	33	12
8	9.2	27	15	6.3	39	24
10	14.5	31	22	9.9	44	30
12	16.4	35	27	13.2	48	35
15	20.4	42	35	17.4	56	46
20	28.9	59	52	24.3	74	64
25	35.5	82	73	29.6	105	91

DIMENSIONS		
PEM#	282	284
# of Nozzle Orifices	19	32
Suction Strainer	.094"	.065"

Fountains & Accessories

Fountain Jets & Accessories

PEM
PEM 950 Series Aerated Jets

PEM 950 Series Aerated Jets are made of brass and bronze and they have no internal adjustments. They are water level independent. These jets are designed for multiple spray effects similar to water level dependent PEM 740 Series Aerating Jets.

SPRAY HT FT	951 - 1" FIPT GPM	951 - 1" FIPT THD	952 - 1 1/4" FIPT GPM	952 - 1 1/4" FIPT THD	953 - 1 1/2" FIPT GPM	953 - 1 1/2" FIPT THD	954 - 2" FIPT GPM	954 - 2" FIPT THD
3	10	15	15	15	23	15	31	15
5	13	19	18	19	26	19	34	19
10	17	35	23	35	34	35	51	35
15					43	48	66	48
20							80	60
30							104	80

PEM 900 Series Jets

PEM W114 Water Switches - 1" x 3/4" x 3/4"

PEM W114-1 has a molded plastic (ABS, Acrylonitrile Butadien Stryrene, UV protected) body with male (outside threaded) 1"NPT inlet and 2 x 3/4"NPT outlet pipe connections for NPT or BSP pipeline fittings.
A stainless steel body low voltage, 3 way solenoid water service, breather control valve is fitted to the water switch body. This solenoid valve has a submersible coild with plug in connection to the supply cable of standard cable length of 9 ft. The solenoid valve is fully accessible for servicing. Custom made larger and longer size electrical cable with direct connection to solenoid valve coil without disconnect are available at extra cost.
As the solenoid valves are voltage sensitive, the PEM 00-03 low voltage test device with color coded binder posts can be inserted between supply cable and solenoid valve to test actual operating voltage with suitable multi meter voltage tester.

PEM 812-1
3/4" Stream Jet

Spray Ht Ft.	GPM	THD
3.28	10.30	22.96
4.92	12.94	39.37
6.56	15	45.93
9.84	17.17	59.05
13.12	19	75.45
16.4	21.13	91.86

PEM 626
1 1/2" Filigran Jet

Spray Ht Ft.	GPM	THD
1.64	14	42.65
3.28	17.17	68.89
4.92	21.13	101.70

PEM 952
1 1/4" Aerated Jet

Spray Ht Ft.	GPM	THD
3.28	17.17	65.61
4.92	19	88.58
6.56	21.13	101.70

PEM 953
1 1/2" Aerated Jet

Spray Ht Ft.	GPM	THD
1.64	15	59.05
3.28	20.07	91.86
4.92	23.24	104.98

Pictured with PEM 953

PEM M2 Jumping Jets

Compact jumping jets with standard 10mm or optional 13mm stream with internal illumination that is carried within the stream to the impact area (while stream is connected to the jet). This jet assembly was created for pond installations with clean water indoors or outdoors. Made of brass, bronze and pvc. Stainless steel fitted.
Electrical cable: H0R7N or STW/SOW
1. Jet Control Mechanism - 16.4' (16/3AWG)
2. Illumination - 16.4' (16/3AWG)
3. Test Control - 10' (3 x 16/3AWG)

Pipe Connection: 1" NPT, Maximum size of internal solid control valve 3/4"
Option Nozzle: 10mm
Drop Catcher: Optional

Fountains & Accessories

Spray Rings
Coastal Pond™ Custom Spray Rings

*We offer custom spray rings per your specification. Rings are **manufactured in PVC 80**.*

PLEASE CALL WITH REQUIREMENTS.
For Example: overall dimension, number, type and size of nozzles, length of legs, color of ring.

Adjustable Brass Nozzles
10° Nozzle Adjustment
Nozzle Orifice
Water Level
PVC 80 Ring Manifold
Female Threaded Inlets
Flanged Sections For 10', 12' & Larger Rings
1.5' Removable Legs
Clean Out Plug
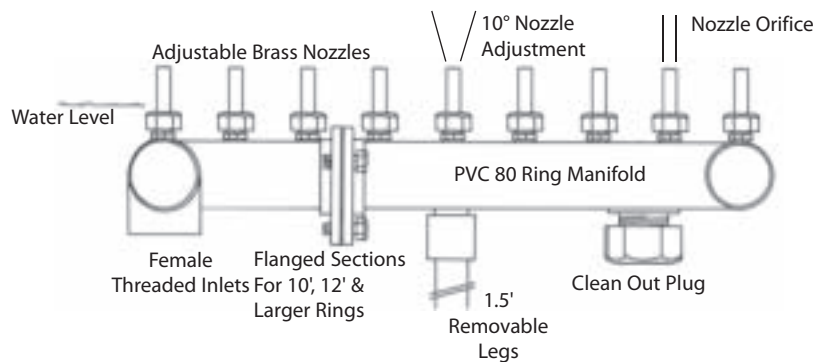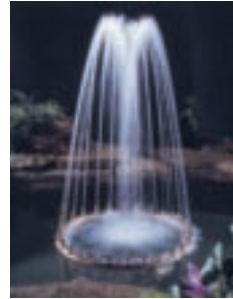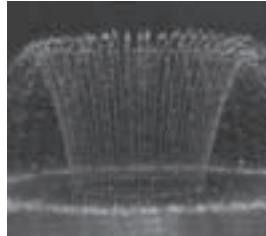
Individual sprays in a circular pattern with adjustable nozzles performing infall, straight or outfall patten.

Fabricated PVC80 Circular manifold with female threaded inlets, clean out plugs, 1.5' legs & adjustable brass nozzles with flow straighteners tapped on center. 10', 12' & larger rings fabricated in flanged sections.

Standard options:
Available colors - black, copper, gold & white
Custom sizes, nozzles and colors available. Please call with specifications

Notes: 10ft. and 12ft. rings are two piece flanged units. Rings require fine suction screening.

NOZZLE SPACING = 4 inches
(A fine spray with a .167 in. nozzle opening and a required .079 in. suction strainer opening)

Part #	Dia. (Ft.)	Inlet (In.)	No. of Jets	Pipe Dia. (In.)	Spray Height (Ft.) Head (Ft.)						Price
					3	4	5	6	8	10	
Foot of Head					4.9	6.5	8.2	9.5	13.3	16.7	
CPSR804-23	3	1-1/4 in. x 2	28	1-1/2 in.	20	28	36	39	-	-	**$1395.32**
CPSR804-24	4	1-1/4 in. x 2	37	1-1/2 in.	26	37	48	52	-	-	**$1698.78**
CPSR804-25	5	1-1/2 in. x 2	47	2 in.	33	47	61	66	75	-	**$1985.18**
CPSR804-26	6	1-1/2 in. x 2	56	2 in.	39	56	73	79	90	-	**$2288.64**

NOZZLE SPACING = 6 inches
(A heavier spray with a .236 in. nozzle opening and a required .118 in. suction strainer opening)

Part #	Dia. (Ft.)	Inlet (In.)	No. of Jets	Pipe Dia. (In.)	Spray Height (Ft.) Head (Ft.)								Price
					3	4	5	6	8	10	12	15	
Foot of Head					3.9	5.2	6.6	8.0	10.5	13	15.2	19.2	
CPSR805-36	6	1-1/2 in. x 3	37	2	67	74	81	89	104	-	-	-	**$2037.86**
CPSR805-38	8	2 x 4	50	3	90	100	110	120	140	160	175	-	**$3397.00**
CPSR805-310	10	2 x 4	63	3	113	126	139	151	176	202	221	290	**$3835.14**
CPSR805-312	12	2 x 6	75	3	135	150	165	180	210	240	263	345	**$4249.50**

Fountains & Accessories

Fountain Jets & Accessories

AQUASCOPE® telescoping pool and spa fountains – Residential

For Swimming Pools And Spas

Call for Pricing

Telescoping Fountains transform pools and spas into beautiful fountains during non-swimming hours. These easily installed fountains automatically retract flush into pool bottom and do not protrude when not in use. The standard pool filter pump powers the fountains.

NO ADDITIONAL PUMPS ARE NECESSARY. A one-inch line fitted with a gate valve is all that is needed in addition to the fountain. Enjoy the added value of the sight and sounds of a fountain. Four different patterns are available for both plaster and vinyl liner pools and spas. Available for 8" to 108" water depth.

Telescoping fountain (retracted in housing). Flush mounting (similar to main drain), provides no hazard to swimmers or equipment.
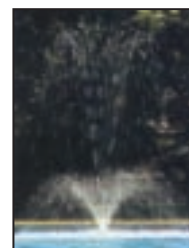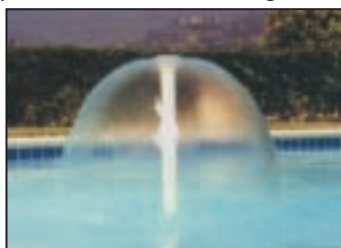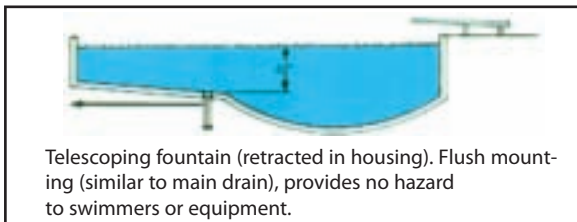
Atlantic Colorfalls Lighted Falls

Lighted weir specifically designed for water features. A perfect fit for formal retaining walls and pondless applications, Colorfalls adds a breathtaking new dimension to a water feature - waterfalls with shimmering details in white or blue hues. 30' Power cord and outdoor transformer.

Choose your color:
Available in Sol White, Ice Blue, Fire Red, Crystal White

PRODUCT	DESCRIPTION	VOLTS	INLET	FLOW RATE	DIMENSIONS	LIST PRICE
ATL-CF12	12" Colorfalls w/ Blue LED	12V	1 1/4"	1000 gph	12" x 8" x 3 1/2"	204.29
ATL-CF24	24" Colorfalls w/ Blue LED	12V	1 1/4"	2000 gph	24" x 8" x 3 1/2"	306.43
ATL-CF36	36" Colorfalls w/ Blue LED	12V	1 1/4"	3000 gph	36" x 8" x 3 1/2"	397.14
ATL-CF48	48" ColorFalls w/ White LED	12V	1 1/4"	4000 gph	48" x 8" x 3 1/2"	511.43
ATL-CFBASIN24	24" Basin Only					397.43
ATL_CFBASIN36	36" Basin Only					471.43
ATL-CFKIT	24" Blue ColorFalls w/ Basin	12V	1 1/4"	2000 gph		1185.71
ATL-CFKIT36	36" White ColorFalls w/ Basin	12V		3000 gph		1500.00

POLARIS Powerfalls, PowerStreams, and Fiberfalls

The Polaris PowerFall®

Call for Pricing

The Polaris PowerFall® creates the naturally soothing sight, sound, and grandeur of a beautiful waterfall. Waterfall forms a smooth sheet from a height of up to 3.5 feet. Low water flow demans 12 gallons per minute per foot. Colors: white, black, gray or tan.

Down Deflector
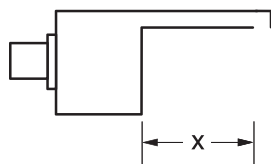
Down and Back Deflector
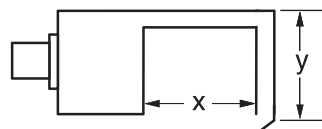
Up Deflector
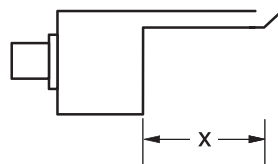
Lip Profile
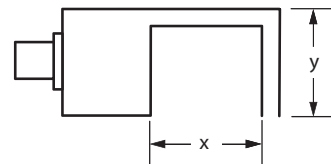
The Polaris PowerStreams / RainFalls®

Call for Pricing

The Polaris RainFall recreates the sounds of gently falling rain of the turbulent roar of a rain shower. Various effects are achieved by increasing or decreasing the volume of water flowing through the unit. Nozzle inserts create individual streams of water from a height of up to 15 feet.

FEATURES:
- Non - Corrosive, ABS Material
- Compact size
- Low water flow demand
- Patented X-Baffle reinforcement
- No rock trap necessary
- Molded parts, ultrasonically welded
- Single or double rows of nozzles

PowerFall, PowerStreams, Rainfall Specifications
Dimensions: 2 5/8" x 3 1/8"H
Lengths: 12", 18", 24", 36", 48" and 60" with one 1 1/2" inlet. 72", 84" and 96" with one 2" inlet.
Nozzle Lengths: Standard 1", Extended 6", 9" and 12". Custom and radius cuts available.
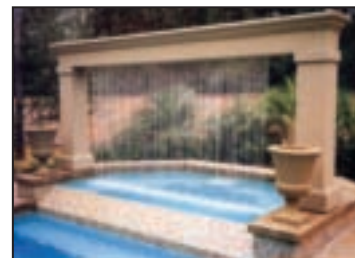
The Polaris FiberFall

Call for Pricing

The Polaris FiberFall® utilizes fiber optic technology to create a soft, colorlighted waterfall. A glow of colored light will appear at the nozzle area and sometimes will travel a distance in the fall, but can vary in intensity due to lighting in and around the pool.

Dimensions: 2 5/8" x 3 1/8"H
Lengths: 12", 18", 24", 36", 48" and 60" with one 1 1/2" inlet. 72", 84" and 96" with one 2" inlet.
Nozzle Lengths: Standard 1", Extended 3" and 6". Radius cuts available for 6" at factory.
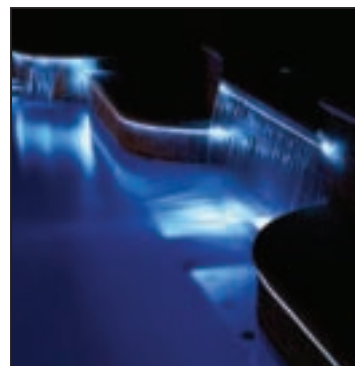
OASE Rainbow Star Jumping Jets - Laminar Flow

The new generation of the Rainbow Star combines functionality, virtually unlimited creative freedom, and unique design. The combination possibilities give the system an individual flair: The integrated RGB light can be freely selected and can be supported in its effect by numerous switchable running light functions. Rainbow Star can also cut the water for additional interesting effects.

OASE Easy Controler

Simple programming from PC or laptop. Clearly organized user interface. Signal transmission via USB. Freely programmable sequential programs. Up to 255 channels can be programmed for standalone operation.

Call for Pricing

Call for Pricing

OASE Water Jet Laminar Flow Lighting System

Water Jet Lightning is delivered as a 2-unit set that can be quickly installed thanks to >>Plug'nSpray<<. Integrated LED technology illuminates the laminar water jet. The permanently set programs that vary in jet length and color can be selected via remote control.

$2,069.00

Fountain Jets & Accessories

Fountains & Accessories

Comet 3-5T - 15-10T

The OASE Comet single brass jet nozzles are small and medium size precision nozzles. They may be used to produce a single jet or can be combined in groups of several nozzles. Clear, wind stable, full stream jet, Built-in flow straightener, Can be angled up to 12°, Water level independent

Item #:	OA89011		OA89012		OA89013		OA89014	
Spray	3-6T		3-6T		5-8T		5-10T	
Height	GPM	TDH	GPM	TDH	GPM	TDH	GPM	TDH
1.6	1.0	2.3	1.3	2.0	2.5	2.3	4.1	2.6
2.5	1.4	3.0	1.6	2.6	3.0	3.0	5.0	3.6
3.3	1.7	4.3	1.9	3.9	3.3	3.9	5.8	4.6
4.1	1.9	4.9	2.3	4.9	3.9	5.2	6.7	5.9
4.9	2.1	5.9	2.6	5.9	4.5	5.9	7.5	6.6
5.7	2.3	7.2	2.9	6.9	5.0	6.9	8.2	8.2
6.6	2.5	8.2	3.2	8.2	5.4	7.9	8.8	9.2
8.2	-	-	3.7	10.5	6.2	10.5	10.0	11.8
9.8	-	-	4.1	13.1	6.9	12.8	11.1	14.4
11.5	-	-	-	-	7.5	15.4	12.0	17.1
13.1	-	-	-	-	8.1	18.0	12.9	19.7
16.4	-	-	-	-	-	-	14.6	24.9
19.7	-	-	-	-	-	-	16.1	30.2
Thread	3/8" NPT		3/8" NPT		1/2" NPT		1/2" NPT	

Cascade 50T - 70T

The OASE Brass Cascade foam effect nozzles are injector nozzles whose effect is dependent on the water level. Because of the injection effect, surrounding water and air are sucked in, intensively mixed and thrown high into the air by the injector jet. The water pattern can be changed due by varying the water level. At lower water levels the jet is tall and slender, above standard levels it is short and full. In certain basin arrangements a wave effect may appear, creating a very interesting visual effect.

Item #:	OA89051		OA89052	
Spray	50T		70T	
Height	GPM	TDH	GPM	TDH
0.8	7.6	6.0	-	-
1.6	9.1	8.7	21.0	9.0
2.5	10.4	11.0	23.4	11.0
3.3	11.6	13.7	25.5	13.3
4.9	13.6	19.0	29.4	17.7
6.6	15.3	24.3	32.8	22.0
8.2	18.3	34.7	35.9	26.3
9.8	19.7	40.0	38.8	30.7
13.1	20.9	45.4	43.9	39.4
16.4	23.3	56.0	48.6	48.0
19.7	-	-	52.8	57.0
23.0	-	-	56.7	65.7
Thread	1" NPT Female		1 1/2" NPT Female	

Geyser 20T - 40T

The OASE Geyser foam effect nozzles are injector nozzles whose effect is dependent on the water level. Because of the injection effect, surrounding water and air are sucked in, intensively mixed and thrown high into the air by the injector jet. The water pattern can changed by varying the water level. At lower water levels the jet is tall and slender, above standard levels it is short and full. In certain basin arrangements a wave effect may appear, creating a very interesting visual effect.

Item #:	OA89023		OA89024	
Spray	20T		40T	
Height	GPM	TDH	GPM	TDH
1.6	8.0	6.7	21.8	9.0
2.5	8.9	8.3	23.4	10.3
3.3	9.8	10.0	25.0	11.7
4.9	11.3	13.0	27.9	14.7
6.6	12.6	16.3	30.5	17.3
8.2	13.8	19.7	32.9	20.3
9.8	14.9	23.0	35.1	23.0
13.1	16.9	29.7	39.2	28.7
16.4	18.7	36.4	42.9	34.4
19.7	20.3	42.7	46.4	40.0
23.0	49.6	46.0	83.4	52.4
26.2	-	-	52.6	51.7
Thread	1" NPT Female		1 1/2" NPT Female	

Frothy 35-10E - 55 - 10T

OASE Frothy foam spray nozzles are not water level dependent, unlike Cascade and Geyser nozzles. Changes in water level will have no effect on their display pattern. For inlets of water cascades, for multi-stepped pools or fountain installations with a water reservoir at a lower level. Due to the high quantity of air that is mixed in, a voluminous water effect is achieved using a relatively small quantity of water. This makes the foam jet very soft, highly compact and exceptionally foamy.

Item #:	OA50984		OA50986	
Spray	**35-10E**		**55-10E**	
Height	**GPM**	**TDH**	**GPM**	**TDH**
0.8	12.4	3.3	15.8	3.7
1.6	14.6	2.0	22.3	7.0
2.5	18.8	3.0	28.5	10.7
3.3	21.3	3.9	32.1	13.3
4.1	23.6	4.9	35.4	16.3
4.9	25.6	5.9	38.3	19.3
5.7	27.6	6.9	41.1	22.0
6.6	29.3	7.9	43.7	25.0
8.2	32.5	21.7	48.5	30.7
9.8	-	-	52.8	36.4
11.5	-	-	56.8	42.4
Thread	1" G Male		1" G Male	
Material	Stainless Steel/ABS		Stainless	

1" MNPT

Requires adapter

Danner LED Light Rings w/ Fountain Head

Attached to your pump, wait until dark and watch as your water garden is transformed with this spectacular fleur de lis display. Low voltage transformer w/ 15' cord. 1 year warranty.

PRODUCT	LEDS	MAX FLOW	INLET / OUTLET	LIST PRICE
DAN-02180	18	250 - 950 gph	1/2" or 3/4"	**134.61**
DAN-02185	24	950 - 1800 gph	3/4" or 1"	**170.51**
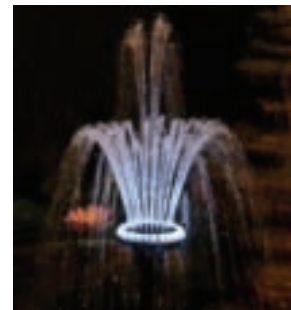
Sunterra Lily Rose Spitter

Handcrafted from durable resin.

PRODUCT	DIMENSIONS	MAX FLOW	LIST PRICE
SUN351101	13.25" x 8.25" x 8.25"	200 gph	**37.58**

Sunterra Blooming Lotus 1" Nozzle

A traditional foam jet nozzle dressed up with a resin blooming lotus flower covering.

PRODUCT	DIMENSIONS	MAX FLOW
SUN311204	3.25" x 5" x 5"	850- 1250 gph

Fountains & Accessories

Fountain Jets & Accessories

SUNTERRA®
Sunterra Nozzles

Tall Jet

PRODUCT	INLET	LIST PRICE
SUN-300100	1/2" ID	3.78

Diverter Valve

PRODUCT	INLET	LIST PRICE
SUN-300122	1/2" ID	4.30
SUN-300222	1" ID	5.48

Telescoping Riser

PRODUCT	INLET	LIST PRICE
SUN-300410	1/2" ID	3.68
SUN-305410	1" ID	4.58

Waterbell

PRODUCT	INLET	LIST PRICE
SUN-300514	1/2" ID	2.18
SUN-305214	1" ID	2.98

Candelabra Foam Jets
Includes: (3) foam jet accent

PRODUCT	INLET	LIST PRICE
SUN-300140	1" ID	26.73

Foam Jet

PRODUCT	INLET	LIST PRICE
SUN-300614	1/2" ID	2.98
SUN-305314	1" ID	4.50

Dial Three Nozzle - 3 Patterns
1" nozzle with three separate spray patterns:
Cascade, Tall Jet Stream and Water Tulip

PRODUCT	INLET	LIST PRICE
SUN-351103	1" ID	18.33

Cascade
1" nozzle with three separate spray patterns:
Cascade, Tall Jet Stream and Water Tulip

PRODUCT	INLET	LIST PRICE
SUN-300414	1/2" ID	2.10
SUN-305114	1" ID	3.60

Nozzle Combo Kit
Includes: (1) waterbell nozzle, (1) telescoping
riser, (1) deveter valve

PRODUCT	INLET	LIST PRICE
SUN-300214	1/2" ID	10.98
SUN-300314	1" ID	12.08

Atlantic™ WATER GARDENS

Atlantic Fountain Basins
Incorporates the features, strengths, and ease of installation demanded by installers. Flat, supported
top deck with recessed plumbing channels and pocket for new Triton 3 way manifold.

PRODUCT	DIMENSIONS	CAPACITY	MAX FLOW	LIST PRICE
ATL-FB3200	32" x 13"	32 gal	2000 gph	300.00
ATL-FB4600	46" x 13"	67 gal	4000 gph	425.71
ATL-FBKIT	Includes: TW2, Triton 3 way, 20' hose, fittings			140.00

Little GIANT® Pump Company

Little Giant Disappearing Fountain Basins
• Durable resin construction • Vault can be buried or used with fountains • Disappearing effect
perfect for custom water features • Flexible design allows for easy maintenance and access to pump
• Supports up to 2000 pounds for custom features

PRODUCT	DIMENSIONS	CAPACITY	PANELS	HOLDS	LIST PRICE
LG566517	36" x 11" x 36"	35 gal	6	2000 lbs	285.00
LG566558	44" x 11" x 44"	60 gal	4	3000 lbs	494.00

Structural Fiberglass Units
Round Fiberglass Basins

Please call us for other available sizes.

PRODUCT	DESCRIPTION	DIA.	DEPTH	LIST
CFP-25R	ROUND (LARGE)	10'	18"	**CALL**
CFP-79R	ROUND	8'	18"	**CALL**

Modular Round Fiberglass Basins

PRODUCT	DESCRIPTION	DIA.	DEPTH	LIST
CFP-44R	ROUND	8' 8"	18"	**CALL**
CFP-50R	MODULAR ROUND	12'	16"	**CALL**
CFP-60R	MODULAR ROUND	24'	18"	**CALL**

Decorative Fiberglass Basins

PRODUCT	DESCRIPTION	LENGTH	WIDTH	DEPTH	LIST
CFP-53TR	DECORATIVE TRIANGLE (90-45-45 degree)	59"x59"x85"		21"	**CALL**
CFP-62S	RECTANGULAR W/ SUMP	3' 3"	3' 6"	18"	**CALL**
CFP-66S	MODULAR DECORATIVE SQUARE	7' 10"	7' 10"	17"	**CALL**
CFP-72HR	DECORATIVE SEMICIRCLE	10'	5' RADIUS	18"	**CALL**

Sectional Square Or Rectangular Fiberglass Basin

PRODUCT	DESCRIPTION	LENGTH	WIDTH	DEPTH	LIST
CFP-63A	MODULAR CORNER	6' 11 1/2"	6' 11 1/2"	18"	**CALL**
CFP-63B	MODULAR WALL	6' 11 1/2"	2'	18"	**CALL**
CFP-63C	MODULAR BOTTOM	2'	2'	-	**CALL**

Maccourt Containers – Economy Units

PRODUCT	DESCRIPTION	LIST
HSR-47X12MAC	MacCourt 4 (47" x 12" round)	**157.80**
HSR-72X18MAC	MacCourt 6 (72" x 18" round)	**345.60**
MAC AT2606	MacCourt TUB (26" x 20" x 6")	**10.78**
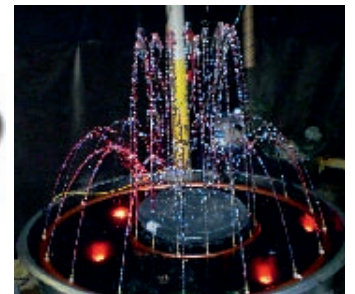
Whiskey Barrel Liners

Just drop these Whiskey Barrel Liners into an oak barrel and you're ready to add water. Whiskey Barrel Liners with Spillway can be used to create a waterfall pond or as external biological filters.
- Fits 23" and 24" standard whiskey barrels
- 23" x 15" deep
- Non-toxic
- Black, vacuum formed for strength
- UV stabilized

PRODUCT	DESCRIPTION	LIST
MAC-PP2607	1/2 Whiskey Barrel Liner	**19.02**
MAC-PP2615	Whiskey Barrel Liner	**27.88**
MAC-PP2620	Whiskey Barrel Liner w/Spout	**29.30**

MAC PP2620 - W/SPILLWAY

MAC PP 2615 - NO SPILLWAY

Fountain Jets & Accessories

Aqua Control Bowl Fountains

1/2 - 7.5 HP available. 3 year warranty. 23 Spray patterns available. See page 76 for spray patterns.

Aqua Control
WATER FEATURES™

HP	1/2 HP		1 HP	
Volts	115 / 230		115 / 230	
Spray Pattern	Max Ht.	Max Dia.	Max Ht.	Max Dia.
Multi Arch	5.5	7.3	9	13
Two Tier Multi Arch	5.5	7.5	9.7	12
Trellis	6.5	10	11	15
Trellis & Sky Geyser	7.8	9.7	10	7
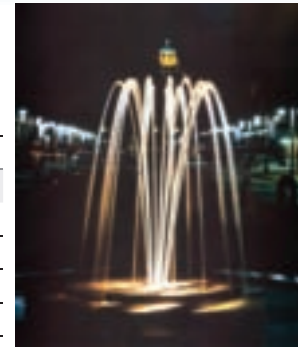
Aqua Control Evolution Light Kit

And, if you want to make the Evolution Series Fountain even more awesome, check out this optional 120V LED Light Kit.
• Four (4) High Power LED Lights (Equivalent to 175 Watts)
• Comes standard with Cool White Lamps
• Optional Replacement Lamp Colors: Red, Blue, Green, Yellow, Purple, Warm White

PART NUMBER	CORD LENGTH	LIST PRICE
AQUA-EV6-L-050	50'	749.00
AQUA-EV6-L-100	100'	799.00
AQUA-EV6-L-175	175'	949.00

Aqua Control Evolution Series 1/2 HP Fountains - Residential Fountains

The Evolution Series fountain was developed from three basic ideas: simple to assemble and maintain, low cost to operate, and patterns that look great. This evolution of ideas brought about a fountain that has four main parts (float, suction screen, throat, and motor), a cost to operate of approximately five cents per hour, and spray patterns that rival most large scale fountains. High quality plastics, stainless steel motor and fasteners used in the Evolution Series fountain will give many years of reliable service.

• 1/2 HP, 115V, single phase Floating Fountain
• 100' or 175' motor cord
• Two mooring stakes
• 100' mooring rope
• Controller
• UL Listed
• Tornado Spray Pattern Standard

• Operates in 20" of water
• Two-year warranty on fountain
• One person installation
• Reduces algae blooms
• Improves water clarity
• Aerates up to 1/2 acre ponds
• Optional 120V LED lighting

PRODUCT	LIST PRICE
1/2 HP Fountain w/ 50' motor cord, controller and attached Tornado spray nozzle	1199.00
1/2 HP Fountain w/ 100' motor cord, controller and attached Tornado spray nozzle	1299.00
1/2 HP Fountain w/ 175' motor cord, controller and attached Tornado spray nozzle	1549.00

Tornado (Standard Nozzle)
6' Height x 15' Dia.

Cluster Arch
6' Height x 16' Dia.

Arum
6' Height x 21' Dia.

Spider & Arch
5.5' Height x 16' Dia.

Fleur de Lis
7' Height x 18' Dia.

Tiara
7' Height x 15' Dia.

Aqua Control Lake Bed Aeration - 5 Year Warranty

5 Year Warranty

Dissolved oxygen levels stabilized from top to bottom. Reduced nutrient and associated algae levels. Elimination of mosquito hatches. End oxygen-related fish kills by increasing oxygen levels.

Powder coated aluminum enclosure offers a lifetime warranty against corrosion. Pump enclosure lid designed to remove heated air more efficiently than other than competitive angled lid designs. Oversized 300 CFM cooling fans. Airpro diffusers release air 10" above pond bottom so not to disrupt settled organics. Wobble piston compressors come with a 2 year warranty. Self-weighted air tubing carries a 15 year warranty. Airpro diffusers carry a 5 year warranty. Quiet operation - at 25' the decibel rating of the pump is less than 60 (or the sound of normal conversation). • Equipment pad comes standard with every unit, eliminating the need for a concrete base.

PRODUCT	HP	DIFFUSERS	OPERATION DEPTH	SUGGESTED POND ACRES	GPM	LIST PRICE
LBAT-1	1/3	1	4' - 35'	up to 1 acres	2000 - 4000	**1499.00**
LBAT-2	1/3	2	4' - 35'	up to 2 acres	2000 - 4000	**1899.00**
LBAT-3	1/3	3	4' - 35'	up to 3 acres	2000 - 4000	**2199.00**
LBAT-4	2/3	4	4' - 35'	up to 4 acres	2000 - 4000	**2999.00**
LBAT-5	2/3	5	4' - 35'	up to 5 acres	2000 - 4000	**3199.00**
LBAT-6	2/3	6	4' - 35'	up to 6 acres	2000 - 4000	**3399.00**
LBA-WT-100			100 ft Self weighted air tubing			**119.00**

Aquarian® Commercial Series Floating Aerators

The Aquarian Commercial series of floating aerators come in 2 hp and 3 hp models. They have the same features as the Residential aerators. The Commercial aerators come with a propeller guard, a 100 ft power cord and a three year warranty.

PART NUMBER	HP	VOLTS/PH	MAX AMPS	GPM	LIST PRICE
FNA-AQ22301	2 hp	230v/1 PH	13.2	1700	**4240.00**
FNA-AQ32301	3 hp	230v/1 PH	17.0	2700	**4800.00**
FNA-AQ32303	3 hp	230v/3 PH	10.9	2700	**4800.00**
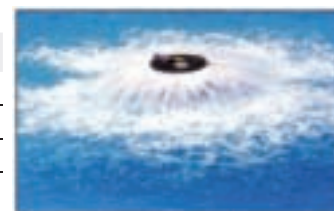
Aquarian® Residential Series Floating Aerators

Aquarian aerators incorporate a Franklin® Electric submersible motor, which is water-cooled and water-lubricated, to rotate a scientifically designed, foul resistant propeller, at 3450 rpm.

The Aquarian Residential aerator may also be used for preventing ice formation. The aerator is capable of preventing ice formation in a circular area on lakes/ponds at a rate of 8 feet per foot of propeller depth depending on the usable heat available.

A propeller guard is available as an option that prevents obstructions/ debris from damaging the propeller. One year warranty on the motor. 50' power cord. Longer lengths available.

PART NUMBER	HP	VOLTS/PH	MAX AMPS	GPM	LIST PRICE
FNA-AQ-05-1-50	1/2 hp	115v/1 PH	12	500	**1305.00**
FNA-AQ-05-2-50	1/2 hp	230v/1 PH	6	500	**1305.00**
FNA-AQ-10-50	1 hp	230v/1 PH	9.8	1475	**1570.00**

Lake & Pond Fountains
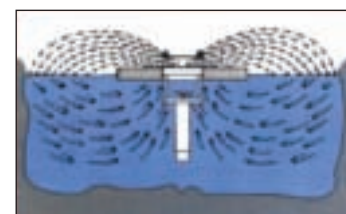
Lake Fountains & Aerators

AIR-O-LATOR® Products

Ready Series

"Ready" aerating fountains are capable of performing to what is termed by the factory to be "Standard" volume (@ 1000 gpm) for lakes and ponds up to 1 1/2 acres. "Ready" aerating fountains can also be easily modified to a reduced volume (@ 400 gpm) by simply changing out the propeller with the included "Reduced" volume propeller which is for use in up to 3/4 acre.The "Ready" will be supplied either as "Standard" or "Reduced" volume based upon part number requested.

Features: • Minimum operating depth 2 ft • Provided at the time of order with 1 of 6 spray patterns • Comes with both standard and reduced volume capacities • 100' power cable with water tight removable connector • 24 hour time clock • Equipment Leakage Circuit Interrupter (US Only) • Two year warranty

PROPELLER PUMP UNITS

CENTRIFUGAL PUMP UNITS

Font' N- Aire® Ready Series
Specifications - 1 HP, 230v, Single Phase

1 H.P.

$2,825.00

MODEL	DESCRIPTION 230V Single Phase	MAX AMPS	Ht Ft x Dia Ft	GPM
95RCR12301S	Carnival Fountain - Standard	12	8 x 25	1000
95RCR12301R	Carnival Fountain - Reduced	6	4 x 10	400
95RDA12301S	Diana Fountain - Standard	12	20 x 20	80
95RDA12301R	Diana Fountain - Reduced	6	13 x 18	80
95RGL12301S	Galaxy Fountain - Standard	12	30 x 50	95
95RGL12301R	Galaxy Fountain - Reduced	6	15 x 30	80
95RNR12301S	Northstar Fountain - Standard	12	16 x 32	108
95RNR12301R	Northstar Fountain - Reduced	6	14 x 28	80
95RNV12301S	Nova Fountain - Standard	12	25 x N/A	108
95RNV12301R	Nova Fountain - Reduced	6	13 x N/A	80
95RSL12301S	Solace Fountain - Standard	12	14 x 18	108
95RSL12301R	Solace Fountain - Reduced	6	8 x 14	80

Ready fountains are provided with one nozzle of your choice. ELCI, time clock, float & 100' power cable

CARNIVAL– 4 VANE
Propeller

CARNIVAL– 8 VANE
Propeller

GALAXY
Centrifugal

DIANA
Centrifugal

Lighting Kit - $1750.00

For Ready & Font' N-Aire units. Each light kit comes with four (4) 12-volt clear lamps, photocell controlled. (Colored lenses available!)
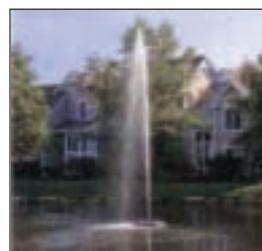
SKYWARD

SOLACE

NOVA

NORTHSTAR

AIR-O-LATOR® Products

2-5 H.P.

Font' N- Aire® Platinum Series Fountains

The Font' N- Aire Platinum series of floating fountains are available in 2-5 hp models. All standard Font'n-Aire Platinum fountains are shipped with on nozzle of your choice, a timer, a ground fault circuit interruptor (single phase only), and controls for the fountain in a NEMA 4X enclosure. The fountain also includes 100 feet of #12/4 underwater power cable.

PRODUCT	HP	VOLTS	PHASE	LIST PRICE
FNA-2PP	2HP	230v	Single	4530.00
FNA-2CP	2HP	230v	Single	4530.00
FNA-3PP	3HP	230v	Single	4950.00
FNA-3CP	3HP	230v	Single	4950.00
FNA-5PP	5HP	230v	Single	5570.00
FNA-5CP	5HP	230v	Single	5570.00
FNA-3PP	3HP	230v	3 Phase	5100.00
FNA-3CP	3HP	230v	3 Phase	5100.00
FNA-5PP	5HP	230v	3 Phase	5520.00
FNA-5CP	5HP	230v	3 Phase	5520.00

* Carnival Fountain style only

PRODUCT	HP	AVG HT FT X DIA	GPM
CARNIVAL4V	2	8' x 25'	1200
CARNIVAL4V	3	9' x 30'	1400
CARNIVAL4V	5	11' x 35'	1400
CARNIVAL8V	2	9' x 7'	1200
CARNIVAL8V	3	10' x 8'	1400
CARNIVAL8V	5	11' x 9'	1400
SKYWARD	2	40' H	80
SKYWARD	3	45' H	90
SKYWARD	5	50' H	103
GALAXY	2	32' x 50'	116
GALAXY	3	35' x 55'	120
GALAXY	5	39' x 60'	136

PRODUCT	HP	AVG HT FT X DIA	GPM
DIANA	2	23' x 23'	116
DIANA	3	28' x 28'	120
DIANA	5	30' x 30'	140
NORTHSTAR	2	20' x 36'	120
NORTHSTAR	3	26' x 42'	127
NORTHSTAR	5	33' x 50'	156
SOLACE	2	18' x 22'	120
SOLACE	3	20' x 28'	127
SOLACE	5	24' x 30'	156
NOVA	2	28'	116
NOVA	3	33'	130
NOVA	5	36'	156
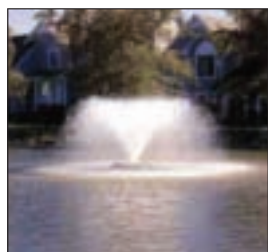
CARNIVAL– 4 VANE
Propeller

CARNIVAL– 8 VANE
Propeller

GALAXY
Centrifugal

DIANA
Centrifugal

SKYWARD

SOLACE
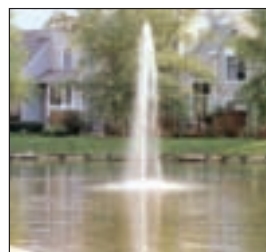
NOVA

NORTHSTAR

Coastal Pond Supply & Coastal Fountain Supply

Lake Fountains & Aerators

Aqua Control
WATER FEATURES™

Aerators & Fountains

Aqua Control, Inc. (ACI) was founded in 1970 as a manufacturer of floating Aerators and Fountains. Since then ACI has done extensive engineering to develop innovative new products with emphasis on creating highly efficient pumps and nozzles and to create unique, big, and beautiful Display Aerator and Fountain spray patterns so that Aqua Control is truly, "The Beautiful Water Quality Management System".

5 Year Warranty. Today, ACI has the most extensive line of floating water features in the industry. The Select Series of 1/2 to 7.5HP Display Aerators and Fountains are available in single and two-stage, vertical and horizontal configurations, and with more than 35 spray patterns. The Titan Series provides a wide range of big and beautiful patterns from 5HP to 30HP. They are also available in Vertical or Horizontal configurations to accommodate deep or shallow water depths.

5 Year Warranty

Specifications:

Aqua Control "Select Series" 1/2 H.P. – 7 1/2 H.P. 1PH or 3PH
High Horse Power Units 7.5 H.P.– 40 H.P.
208/230 single phase– 208, 230 or 460 3 phase

Options:

* Light Packages (3 or 4 units) 120 Volt Max (8) lights – 250, 300, or 500 watt fixtures
• Vertical or Horizontal configurations to accommodate deep or shallow water depths.
• Suction Screens
• Mooring Eyes and Ropes
• Extension Suction Tubes
• Color Blender

CALL FOR PRICING

THE FLARE AND SKY GEYSER
The Flare and Sky Geyser is a 2 tier pattern with a high Sky Geyser and a large, lower, conical fan.

THE TORNADO
The Tornado produces the maximum pumping rate of any Display Aerator while also creating a beautiful, full, conical spray pattern. The Tornado produces the highest circulation rate and the highest oxygen transfer rate.

THE CANDELABRA
The Candelabra is a Display Aerator pattern. It has 24 high, heavy, coherent, arching streams that create a beautiful, full, arch pattern with great impact, good height, and a diameter double the height.

THE FULL GEYSER
The Full Geyser Fountain has 6 vertical streams that intermingle to produce a single, heavy, moderately high, and undulating pattern that "fluffs out" near the top, creating a full, interesting, dynamic, and constantly changing pattern.

TRELLIS & SKY GEYSER
The Trellis & Sky Geyser has a high, single, coherent, Sky Geyser pattern surrounded by 12 beautifully arching, moderately high streams about 2/3 the height. This is another pattern that lights beautifully.

THE BUCKINGHAM
The Buckingham is a Fountain with five tiers. A tall center stream is surrounded by 4 tiers of six, gracefully arching streams, each with gradually reduced height and increased diameter. This creates a beautiful shape.

THE TRILLIUM
The Trillium is a Display Aerator pattern with three tiers. A vertical stream is surrounded by 2 tiers of eight heavy, gracefully arching streams with each tier about 2/3 the height of the previous but with a larger diameter.

SPIDER AND ARCH
The Spider and Arch Display Aerator is a popular pattern that produces 8 beautiful, high, heavy, arching, streams as well as 8 wide, low, heavy, arching streams.

THE LILY
The Lily is a 2-tier Display Aerator pattern originated by Aqua Control. The Lily is a popular pattern with its beautiful, wide and low fan, and 7-thick, high, coherent arching streams, all of which are wind-resistant.

THE ARUM
The Arum is a Display Aerator pattern with 2 tiers. A tall, heavy, vertical stream is surrounded by many low, medium diameter, graceful arching streams about 1/3 the height of the center stream.

THE TIARA
The Tiara is a 3-tier pattern with a high, central, Sky Geyser that is surrounded by 12 high, arching streams about 2/3 the height of the center, 12 long, low streams creating large diameter pattern.

THE SCEPTRE
The Sceptre is a Display Aerator that produces a heavy, opaque, mass of water high in the air while creating an attractive shape.

CROWN GUSHER
The Crown Gusher Display Aerator has a very high flow rate and a high, medium width, conical pattern. The relatively open spray nozzle is highly resistant to plugging.

THE SPOKE AND TRELLIS
The Spoke and Trellis has moderately high, arching streams surrounded by low and wide streams. The very wide pattern provides a large area of coverage that can help to discourage waterfowl.

Lighting

Landscape Lighting

KICHLER LANDSCAPE LIGHTING

KICHLER Products

K-15452 Great Horned Owl Path Light

A majestic, full sized Great Horned Owl perched on a tree segment with light located on the underside of a branch.

DESCRIPTION	Great Horned Owl
SIZE	15" wide, 44.25" Length, 11" hgt. 24" #18-2 lead 12v, 11.5 W Max Light
LIST PRICE	375.00

K-15466 Classic Deck Light

Rich oxidized brass with just a hint of marble to lend a subtle glow to deck installations.

DESCRIPTION	Pierced brass shade with stainless steel mounting bracket.
FINISH	Bronze
SIZE	3 3/8" wide, 3.9" hgt., 71" #18-2 lead
	6.5 watt max lamp,12v
LIST PRICE	65.00

K-15067 Porcelain Tulip Accent

The delicate glow from this tulip shade lends the beauty of nature to your deck or patio. Complete the look with matching path lights 15344 VG and 15345 VG.

DESCRIPTION	Porcelain with stainless steel surface mounting bracket. 6.5 watt max
FINISH	Bone Porcelain
SIZE	3 3/4" wide, 2 1/2" hgt., 2 1/4" deep, 72" #18-2 lead
	QUIC DISC, Lamp, Surface mounting bracket included
LIST PRICE	77.00

K-15447 Landscape Accent Light

An elegant and stately indirect path light featuring solid brass construction, a turned spindle stem and turned marble.

DESCRIPTION	Pierced brass shade with stainless steel mounting bracket.
FINISH	Bronze
SIZE	6.5" wide, 25" hgt., 24" #18-2 lead
	16 watt max lamp, 12v Brass Construction
LIST PRICE	247.50
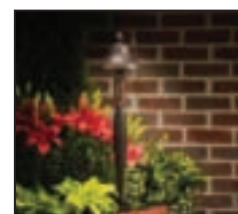
K-15309 Accent Light

Installation is made easy with this one-pack accent light. A stake is included in this value-added package, and the durable die-cast aluminum description tolerates harsh weather conditions.

DESCRIPTION	Durable die-cast aluminum construction. Heat-resistant flat glass lens is fully sealed for outdoor usage.
FINISH	Textured Architectural Bronze, Black
SIZE	3" dia., 7" deep, 3" hgt.
	QUIC DISC, 20 watt max lamp, 8" stake included, 40" #18-2 lead
LIST PRICE	55.00

KICHLER LANDSCAPE LIGHTING

KICHLER Products

K-15326 Center Mount

HOUSING	FINISH	SIZE
Durable die-cast aluminum construction. Base of stem supplied with 1/4 NPSM thread. (Adapter included to allow mounting 1/4 NPSM stem to 1/2 NPSM accessories.) 35" #18-2 Lead	Textured Architectural Bronze, Textured Black, Textured	6" dia., 22 3/4" hgt.
		QUIC DISC, Lamp & 8" stake, 24.4 watt max lamp

LIST PRICE	K-15326	105.00
	K-15065 Matching Deck/Accent Lighting	53.75

K-15065
6.5 watt

K-15328 Large Center Mount

Kichler's center-mount fixture radiates a smooth even light pattern with minimal glare.

DESCRIPTION	FINISH	SIZE
Durable die-cast aluminum construction. Base of stem supplied with 1/2 NPSM thread. 24.4 watt max lamp, 35" #18-2 lead	Textured Arch, Bronze	11 1/2" dia. 24 3/4" hgt.
	QUIC DISC, Lamp & 8" stake included	

LIST PRICE	K-15328	157.50
	K-15065 Matching Deck/Accent Light	50.00
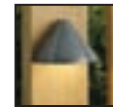
K-15065
6.5 watt
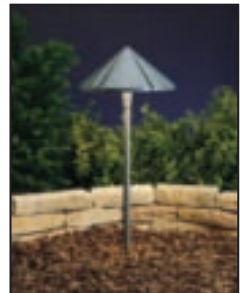
K-15347 Ainsley Square™ Path and Spread Light

Pierced brass dome and stem and verdigris finish for stylish path lighting.

DESCRIPTION	Brass housing. 32" lead. Cable connector supplied, 24.4 watt lamp, can also use 18.5 watt lamp, 8" in-ground stake.
FINISH	Verdigris with Aged Brass
SIZE	34 3/4" x 8"
LIST PRICE	250.00

K-15361 Adjustable Wall Wash

Use wall wash units to create a low, even spread of light that will illuminate shrubs, plants, or textured wall surfaces.

DESCRIPTION	Durable die-cast aluminum construction. Clear polycarbonate shield provides high impact resistance and moisture protection. Stem has 1/4 NPSM thread. (Adapter included to allow mounting 1/4 NPSM stem to 1/2 NPSM accessories.) QUIC DISC, 24.4 watt max lamp, 8" stake incld.
FINISH	Textured Architectural Bronze, Textured Black
SIZE	4" wide, 6" deep, 9" hgt.
LIST PRICE	100.00

K-15382 Accent Light

A sleek, contemporary design that's made to withstand the elements of nature. This adjustable accent light lets you highlight trees, shrubbery or your surrounding landscape.

DESCRIPTION	Components of durable high heat thermoplastic composite resin. Lamp shielded by a heat-resistant flat glass lens fully sealed for watertight outdoor usage. Support arm has 1/2 NPSM thread.
FINISH	Architectural Bronze, Black
SIZE	3" dia., 6 1/2" deep, 5" hgt. QUIC DISC, 50 watts max lamp (not included), 8" in-ground stake, 30" #18-2 lead
LIST PRICE	100.00

Lighting

Landscape Lighting

KICHLER LANDSCAPE LIGHTING

KICHLER Products

K-15395 Adjustable Wide Flood Light

This durable floodlight allows you to create sensational effects, while adding security year round.

DESCRIPTION	Durable die-cast aluminum construction. Heat-resistant glass is fully sealed. Support arm has 1/2 NPSM thread. 75 Watt max lamp.
FINISH	Textured Architectural Bronze
SIZE	6 3/4" wide, 4 1/2" deep, 5" hgt. 35" #18-2 lead QUIC DISC, 50 watt lamp supplied, and 8" stake included
LIST PRICE	117.50

K-15398 Micro Accent – MR11 Accent Light

Create drama with this mini adjustable accent light. **Lamp not included**

DESCRIPTION	Durable die-cast aluminum construction. Heat-resistant glass is fully sealed for outdoor usage and allows for up or down lighting versatility. QUIC DISC, and 8" stake included, 36" #18-2 lead, 35 watt max lamp	
FINISH	Textured Architectural Bronze, Beach	
SIZE	1 7/8" dia., 5" deep, 3' hgt.	
LIST PRICE	Bronze	72.50
	Beach	75.00
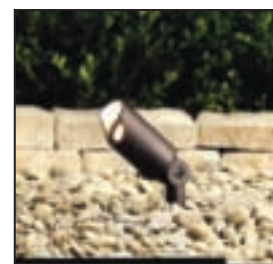
K-15443 Decorative Hammered Roof

The decorative patterns of the pierced shade cast a subtle glow of light over paths or featured garden elements. Simply beautiful day or night.

DESCRIPTION	FINISH	SIZE
Pierced brass or copper shade with solid brass or copper stem. Base of stem supplied with 1/2 NPSM thread.	Polished Copper, Bronze Olde Brick, Verdigris	8" dia., 22" hgt.
	QUIC DISC, Lamp & 8" stake, 24.4 watt max 35" lead.	

LIST PRICE	K-15443 Textured Tannery Bronze, Copper, Verdigris or Olde Brick®	155.00
	K-15063 Matching Deck/Accent Light	57.50
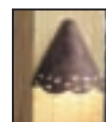
K-15063 6.5 Watt

Professional Lighting Accessories

Low Voltage Cable

#12-2, 10-2, 8-2 conductor SPT cable. UL listed for 12-VOLT outdoor lighting applications. UV stabilized black PVC insulation.

PRODUCT	DESCRIPTION	LIST PRICE
WIRE-L08-2-500	#8 Landscape Wire 12v 500 Ft.	936.60
WIRE-L10-2-250	#10 Landscape Wire 12v 250 Ft.	296.10
WIRE-L10-2-500	#10 Landscape Wire 12v 500 Ft.	590.80
WIRE-L12-2-250	#12 Landscape Wire 12v 250 Ft.	180.60
WIRE-L12-2-500	#12 Landscape Wire 12v 500 Ft.	361.20

Lighting

KICHLER Products

Transformers

A transformer reduces standard 120-VOLT current to a safe, economical 12-VOLT current.

LIFETIME Warranty

Professional Series Stainless Steel Transformers
Lifetime Warranty

- Features multi-tap connections (12v-13v-14v-15v)
- Stainless steel construction
- State-of-the-art magnetic breakers and terminal blocks
- Compatible with plug-in timers or photo cells.
- 3 Ft. #12-3 lead power

Professional Series Transformers

PRODUCT	DESCRIPTION	LIST PRICE
K-15PR75SS	75W (VA)	**312.50**
K-15PR200SS	200W (VA)	**362.50**
K-15PR300SS	300W (VA)	**387.50**
K-15PR600SS	600W (VA)	**600.00**
K-15PR900SS	900W (VA)	**850.00**
K-15PR1200SS	1200W (VA)	**1087.50**

Plug-In Transformer Remote Photocell

Plug-In Photocell with 10' cord is for use with all Plus and Professional Series Transformers.

PRODUCT	DESCRIPTION	LIST PRICE
K-15534BK	Plug-in Transformer Remote Photocell	**87.50**

Plug-In Manual Timer

Plug-In Transformer Timer - Plug-in Timer is for use with all Plus and Professional series transformers.

PRODUCT	DESCRIPTION	LIST PRICE
K-15552	Plug-in Transformer Timer	**35.00**

The Enhancer®

The Enhancer® is a transformer that acts as a voltage booster. When installed in a line, it will boost up voltage by 20% to 25%.

PRODUCT	DESCRIPTION	LIST PRICE
K-15520BK	The Enhancer	**120.00**

Everything for the pond that doesn't need to be fed.
Everything for the fountain except the water.

Professional Lighting Accessories

Lighting

KICHLER
LANDSCAPE LIGHTING
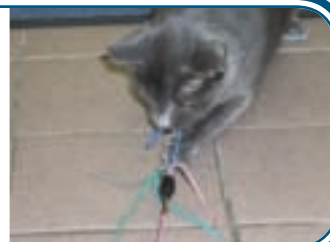
Transformers with Timer

•   6 Ft. power cord
•   Features multi-tap connections (12v-13v-14v) used for design variations to allow for short or long runs
    (300w, 600w, 900w only).
•   Includes automatic timer to program lights on and off
•   Easy connect terminal blocks.
•   Available in 200w, 300w, 600w & 900w sizes.
•   High/Low switch (200W only)

Transformers with Timer & Photocell

•   6 Ft. power cord
•   Features multi-tap connections (12v-13v-14v) used for design variations to allow for short or long runs
    (300w or 600w only).
•   Photoelectric eye to automatically turn lights on at dusk
•   Timer allows lights to be turned off at any time
•   Easy connect terminal blocks.
•   Available in 200w, 300w, & 600w sizes.
•   High/Low switch (200W only)

Manual Transformers

•   6 Ft. power cord
•   Features multi-tap connections (12v - 13v- 14v) used for design variations to allow for short or long runs (300w or 400w only).
•   Easy connect terminal blocks.
•   Available in 100w, 200w, 300w, & 600w sizes.

MANUAL TRANSFORMERS

PRODUCT	DESCRIPTION	LIST PRICE
K-15M100	100W (VA)	125.00
K-15M200	200W (VA) On/Off Switch	225.00
K-15M300	300W (VA)	325.00
K-15M600	600W (VA)	500.00
K-151G300SS	300W	450.00
K-151G600SS	600W	612.50

Transformer With Timer

PRODUCT	DESCRIPTION	LIST PRICE
K-15T200	200W (VA)	337.50
K-15T300	300W (VA)	400.00
K-15T600	600W (VA)	575.00
K-15T900	900W (VA)	812.50

Transformer With Timer & Photocell

PRODUCT	DESCRIPTION	LIST PRICE
K-15TP200	200W (VA)	375.00
K-15TP300	300W (VA)	425.00
K-15TP600	600W (VA)	625.00

CAL PUMP
Waterscape Systems

Power Control Center CAL-PC50

• 1 Year warranty
• Digital Timers
• Fuse Protected
• 10 amp max on 110V side
• 150 watt max on 12V side
• UL Listed
• 50 cord

CAL PUMP
Waterscape Systems

Transformers with Timer CAL-TRT75 & CAL-TRT150

• 1 Year warranty
• 3' Power cord
• 75 or 150 watt 12 VAC transformer
• Adjustable on/off timer for convenience
• Safe for use with underwater lights
• UL Listed

Transformers

MODEL	DESCRIPTION	LIST PRICE
CAL-TRT075	75 watt transformer with timer	64.99
CAL-TRT150	150 watt transformer with timer	74.99
CAL-PC50	Power Control Center 50' cord	199.99
CAL-PC50-15	Power Control Center 15' cord	$149.99

Professional Lighting Accessories

Lighting

Little Giant Low Voltage Lighting Transformer - LG566283

• Weatherproof
• Powers up to three (3) 20 watt submersible lights
• 60 watts max
• Built-in timer with variable on/off adjustment
• Reduces 120v to 12v
• 2' cord length
• Use with our halogen lights or our new LED lights

Little GIANT Pump Company

$83.00

Commercial Underwater Lighting

PEM

PEM Products   CALL FOR PRICING

Pond/Fountain Light Fixtures

Features Include:
•   Standard 9' Cable; Longer
    Lengths areavailable upon request.

Options:
•   Colored Lenses
•   Thermal Cut-Off
•   Stands • Rock Guards
•   UL Approved 12V or 120V

PEM E-41 Niche
Submersible Light
Fixture

PEM E-300
Submersible Light
Fixture

PEM E-40
Submersible Light
Fixture

COASTAL CARRIES THE FULL LINE OF PEM LIGHTING EQUIPMENT WITH OVER 16 DIFFERENT FIXTURES FOR ANY
LIGHTING APPLICATION.. PLEASE CALL FOR FURTHER INFORMATION, SPECS, PRICING, AND OTHER AVAILABLE UNITS.

Waterproof stub-ups
for concrete and liner
penetrations

Submersible junction and
dock boxes

Encapsulant / potting
compound

Junction box cord seals

CAL PUMP Waterscape Systems

Light & Mounting Bracket - CAL-L1C $339.99/ 20 ft

Features & Benefits:
• 115 volt 250 Quartz halogen bulb included
• Amber, blue, green or red lenses sold separately
• Lamp mounted in stainless steel case with heavy cast brass grill
• Not to be recessed in any way
• Must be totally submerged in water for cooling
• Thermally protected, UL Listed
• Swivel stand
• Not for swimming pool use
• Cord length up to 100' available

Commercial Underwater Lighting

Lighting

KICHLER LANDSCAPE LIGHTING

K-15191 Underwater Pond Light

This accent light stands on it's own, no mounting stake required, and can be placed randomly in your landscape. 12 volt, max. 50 watt. Lamp not included.

DESCRIPTION	Components of durable high heat thermoplastic composite resin. Lamp shielded by a heat-resistant flat glass lens fully sealed for watertight outdoor and underwater usage. Adjustable base.
SPECS	Black, 4" wide, 6" deep, 5" ht. 25' lead
LIST PRICE	111.25

Little GIANT Pump Company

NEW for 2010

Little Giant Solar LED EggLite Kit - LG-LSE2-W

Little Giant's solar-powered LED EggLite Kit delivers 20 hours of run time on a full charge! The lights and cord are fully submersible, and are connected to the weather resistant solar panel (included) with a 10' cord. The solar panel charges a Lithium Polymer battery and can power up to 6 LED EggLites. Automatically turns the lights on and off. Low-voltage. Three-year warranty.

Kit includes: One LED EggLite Solar Panel & two white LED EggLites

$84.99

CPS Lighting

CPS UWS K300 - CPS57378

• For submersed operation
• Stainless steel rock guard
• Impact and corrosion resistant
• Retro-fittable color lenses
• 300w Max, **120v**, 25' cord

$300.00

CPS-CQD-120

• Submersible light fixture only
• **120v,** 120 watt (excludes lamp)
• 25' cord
• 3 Year warranty
• Includes transformer

$89.99

CPS 4600 and 5600 Lights

The 4600 and 5600 are attractive underwater lights for fountains and commercial applications. The standard stainless steel rock guard and thick glass lens ensure maximum protection from inadvertent damage. The heavy-duty brass lens ring and silicone gasket protect the light from environmental influences. **120V**

Stand

PRODUCT	DESCRIPTION	LIST PRICE
CPS84011	7" Stand (4600)	120.00
CPS84560	7" Stand (5600)	120.00
CPS85462	15" Stand (4600)	260.00
CPS84562	15" Stand (5600)	260.00

	FIXTURE BASE ONLY		
MODEL	4600	5600/300	5600/500
LIST PRICE	600.00	700.00	700.00
WATTS	200	300	500
VOLTS	110-120	110-120	110-120
BEAM ANGLE	MFL/NSP	MFL/NSP	MFL/NSP
BULB TYPE	PAR46	PAR56	PAR56
CABLE	10'	10'	10'
DIMENSIONS	8.5" x 5.7"	9.5" x 6.3"	9.5" x 6.3"
MATERIAL	Brass/Copper	Brass/Copper	Brass/Copper
WEIGHT	6.9 lbs	8.0 lbs	8.0 lbs
PART NO. (MFL)	CPS84201	CPS84301	CPS84501
PART NO. (NSP)	CPS84211	CPS84311	CPS84511

Lighting

CPS Underwater Electrical Junction Boxes

CPS bronze junction boxes are available in configurations for connecting up to eight lights or pumps to one input cable. All junction boxes include assembly and gasket accessories.

• Makes multi-device installations easy
• Solid cast bronze
• UL-listed
• Cord seals not included

PART NO.	CPS-JB06	CPS-JB08
LIST PRICE	210.00	250.38
SIDE OUTLETS	6	8
BOTTOM OUTLETS	1	1
SIDE SIZE OTLS	1/2"	1/2"
BTM SIZE OTLS	3/4"	3/4"
DIMENSIONS	5.8" x 3.4"	5.8" x 3.4"
WEIGHT	8.9 lbs	8.9 lbs

Residential Underwater Lighting

CAL L-705 Submersible Mini-light

Features & Benefits:
• Perfect for tabletop or mini fountains
• Comes complete with 12-volt transformer
• Operate submerged for cooling
• 6' cord
• 10-watt halogen bulb
• 12V 360° surround light great for streambeds
• One year warranty on fixture

MODEL	DESCRIPTION	WATTS	LIST PRICE
CAL-L705	Mini Finger Light	10 watts	24.99

CAL Egglites - For use in or out of water

CAL EGGLITES

EggLites come standard with four colored dichroic Lenses, which deliver rainbows of color. Though powerful, they are small enough to fit in the palm of your hand. Egglites are available in 10 Watt and 20 Watt models. 10' power cord.

10 Watt complete EggLite includes:
• 10-watt Egglite
• 60-watt transformer
• Mounting stand
• Clear front lens cover
• 4 color dichroic lens set
• Magnetic base with stainless steel screw and nut
• Up to six 10-watt Egglites can be run in series using the standard 60-watt transformer
• Use in or out of water

20 Watt complete EggLite includes:
• 20-watt Egglite
• 60-watt transformer
• Mounting stand
• Clear front lens cover
• 4 color dichroic lens set
• Magnetic base with stainless steel screw and nut
• Up to three 20-watt Egglites can be run in series using the standard 60-watt transformer
• Underwater use only

Egglite 3 pack includes:
• Three 10 watt Egglites
• One 60 watt transformer
• Three magnetic bases with stainless steel screw and nut
• Three Dichroic-colored lens sets
• One 3-way adapter
• One 16" extension cord with connectors
• Three mounting stands
• Three Clear front lens covers

PRODUCT	DESCRIPTION	LIST PRICE
CAL-L01LCE-10W	10W Egglite w/ transformer	44.99
CAL-L01LCE-20W	20W Egglite w/ transformer	54.99
CAL-L02LXE-10W	10W Egglte (No transformer)	29.99

PRODUCT	DESCRIPTION	LIST PRICE
CAL-L02LXE-20W	20W Egglite (No transformer)	39.99
CAL-L03LBE10WB	10W Egglite, No base, Bulk	25.99
CAL-L04LEK3-10	10W Egglte 3 Pack	104.99

Residential Underwater Lighting

Lighting

Atlantic Underwater LED Lights

Atlantic's LED lighting systems make it easy to turn your water feature into a day and night attraction. These lights are multi-purpose as they can be used underwater or in open air installations. Built-in photo cells automatically turn the lights on at dusk and off at dawn, eliminating the need for timers and switches. LED bulb technology offers long life and low energy consumption.

MODEL	DESCRIPTION	VOLTS	WATTS	LIST PRICE
ATL-AWGLED1	Single LED Light	12	1.6	**48.57**
ATL-AWGLED3	3 pk LED Lights	12	4.8	**91.43**

Atlantic SOL Pond Lights Pro Series

Atlantic's NEW compact LED spotlight is the smallest, most power "bullet" style submersible light available. The anodized aluminum body houses a high power, 3000k , warm white LED that blends seamlessly with traditional halogen lighting fixtures. 4 Way splitter simplifies installation.

MODEL	DESCRIPTION	LIST PRICE
ATL-SOL3WC	Light kit with transformer	**100.00**
ATL-SOL3WE	Light Kit Only	**70.00**
ATL-SOL20X4	20 watt Transformer	**40.00**

SAVIO

Savio Halogen and LED Radiance Lights

Enhance the mood, and extend the hours of your water garden enjoyment with a professional grade light offering. Introducing Radiance™ Outdoor Lighting from Savio, a new line of LED and Halogen lights. Savio Radiance™ Lighting units are constructed to the same rugged standard you've come to expect from Savio - backed by Savio's quality and a one-year manufacturer's warranty. For use in or out of water. 20' cord.

Features:
LED Bulb Life - ~50,000 hours @ 4 Watts per unit
Brilliant 20 or 50 Halogen Lights

PRODUCT	DESCRIPTION	DIMENSIONS	VOLTS	WATTS	LIST PRICE
SAV-RAD2000	Halogen Light - Small	3 3/8" x 3"	12V	20	**77.00**
SAV-RAD2020	Halogen Light - Large	4 3/8" x 3 3/8"	12V	50	**93.00**
SAV-RAD1000	LED Light - Small	3 3/8" x 3"	12V	4	**94.00**
SAV-RAD1020	LED Light - Large	4 3/8" x 3 3/8"	12V	4	**108.00**

Halogen RAD2000 & RAD2020

LED RAD1000 & RAD1020

Little Giant Halogen and LED Lights

• Fully submersible 12V light with 20W halogen bulb. Light attaches to all Little Giant fountain nozzle stems. May be used out of water for accents. Includes one each colored lens (Yellow, Blue, Red and Green) w/ halogen lights. Weather-proof, 120V transformer with on-off timer. Powers up to three 20 watt lights. 2ft. cord length (transformer). 20ft. cord length (light). 12v, 1.62 amps, 20w

LED lights give you just the right amount of brightness and color saturation to make your water garden a multi-dimensional work of art. For both in and out of water use, 11 different modes, each which creates a wide range of random color flashes and lively patterns that suit so many festive occasions.

PRODUCT	DESCRIPTION	VOLTS	WATTS	LIST PRICE
LG566527	Halogen Light	12V	20	**65.00**
LG566526	Halogen Light w/ Trans.	12V	20	**137.00**
LG566225	LED Light	12V	3	**145.00**
LG566226	LED Light w/ Trans.	12V	3	**255.00**
LG566224	LED Replacemant Bulb	12V	3	**99.00**

Lighting

Fountain Pro Lighting

Pond, Fountain, & Garden Light - FP-JTPL1

• Light with outdoor transformer for gardens, ponds, and fountains.
• One lamp with an adjustable weighted base.
• For use in and out of water.
• AC 12 Volt, 60Hz, 10 Watt.

$32.34

Pond, Fountain, & Garden Light - FP-JTPL1-3

• Lights with outdoor transformer for gardens, ponds, and fountains.
• Three lamp with an adjustable weighted base.
• For use in and out of water.
• AC 12 Volt, 60Hz, 3 x 10 Watt.
• Daisy chained lights

$64.20 3-Pack

SUNTERRA®
Sunterra Underwater Lighting

Submersible LED Light - SUN-300209

Use light set alone or with Sunterra's Water Accent Stand to illuminate and accentuate your pond at night

• Low voltage, includes 4 color lenses and transformer
• UL Listed

$56.67

3 Submersible LED Light Set - SUN-300309

Use light set alone or with Sunterra's Water Accent Stand to illuminate and accentuate your pond at night. With automatic on/off

• Low voltage, includes 12 color lenses and transformer
• UL Listed

$91.80

Ultraviolet Lights, Clarifiers, & Sterilizers

DANNER / PONDMASTER® Submersible UV Clarifiers

These submersible UV clarifiers come equipped with a glowing monitor ring that shows if the unit is working. This series can either be used submerged or outside of the pond. The soft blue glow for the ring can be seen at any angle, but will not distract from your pond's visual beauty.

DANNER PONDMASTER

PRODUCT	MODEL	WATTS	POND SIZE IN GAL. (UP TO)	MAX FLOW RATE	CONNECTION SIZE (TUBING)	LIST
DAN-02910	02910	10	1500	UP TO 700 GPH	3/4" BARB	251.02
DAN-02920	02920	20	3000	UP TO 1800 GPH	3/4" BARB	302.06
DAN-02940	02940	40	6000	UP TO 3000 GPH	1 1/2" MIPT	346.28
DAN-12971	UV Lamp	10	Replacement Lamps			69.88
DAN-12972	UV Lamp	20	Replacement Lamps			79.62
DAN-12974	UV Lamp	40	Replacement Lamps			101.80

CAL UV Clarifiers

Introducing UV Clarifiers to your system will give you the best possible water clarity. As algae passes through the unit, the UV light bleaches chlorophyll from the plant. Multi-purpose and versatile, these UV clarifiers can be added to any new or existing system. Installs as an in-line stand alone fixture. 18' cord. 1 Year warranty on fixture

CAL PUMP Waterscape Systems

PRODUCT	MODEL	WATTS	POND SIZE IN GAL. (UP TO)	FLOW RATE	CONNECTION	LIST
CAL-UVC09	UV9	9	1000	500	1" FNPT	174.99
CAL-UVC18	UV18	18	2000	1000	1 1/4" - 1 1/2" BARB	209.99
CAL-UVC36	UV36	36	4000	2000	1 1/4" - 1 1/2" BARB	244.99
CAL-UVC09RB	UV Lamp	9	Replacement Lamps			29.99
CAL-UVC18RB	UV Lamp	18	Replacement Lamps			59.99
CAL-UVC36RB	UV Lamp	36	Replacement Lamps			79.99

Ultraviolet Lights, Clarifiers, & Sterilizers

Lighting

Savio UV Lighting

Savio UV Clarifiers work unobtrusively and are designed to fit securely into the Savio skimmerfilters. (See filter section to find correct uv light for your skimmer)

PRODUCT	MODEL	WATTS	POND SIZE IN GAL.	MAX FLOW	LIST
SAV-SAV018	SUV018	18	2500	2000 GPH	**249.00**
SAV-SAV026	SUV026	26	3000	2500 GPH	**275.00**
SAV-SAV050	SUV050	50	5000	4750 GPH	**399.00**
SAV-RU1802		18	Replacement	Bulb / Lamp	**129.00**
SAV-RU2602		26	Replacement	Bulb / Lamp	**149.00**
SAV-RU5002		50	Replacement	Bulb / Lamp	**169.00**

G.C. TEK UV Sterilizers

Made of high quality 316 stainless steel, with single hi intensity lamps with outputs of 70,000 microwatt PLUS. Clear union for easy lamp observation, and auto shutoff overload protection. 5 Year warranty, excluding lamp.

PRODUCT	MODEL	WATTS	POND SIZE IN GAL.(UP TO)	MAX FLOW	CONNECTION SIZE	LIST
GC-ZAPP-05	ZAPP 05	36	6600	2200 GPH	2" FNPT	**819.95**
GC-ZAPP-10	ZAPP 10	52	12000	4000 GPH	2" FNPT	**1115.00**
GC-ZAPP-20	ZAPP 20	86	18000	6048 GPH	2" FNPT	**1265.00**
GC-ZAPP-40	ZAPP 40	119	25000	7812 GPH	2" FNPT	**1475.00**
GC-ZAPP-UV05	UV Lamp	36				**113.78**
GC-ZAPP-UV10	UV Lamp	52				**152.92**
GC-ZAPP-UV20	UV Lamp	86				**162.25**
GC-ZAPP-UV40	UV Lamp	119				**185.98**

Emperor Aquatics UV Sterilizers

LIFETIME Warranty

Large internal view ports - allows safe inspection of the inside of the UV while in operation. Inlets/Outlets with Unions - on all models allow for easy servicing. Reducing barb fittings are included in models 12 watt through 130 watt. GPH/T5 Style UV Lamps - over 12 months of continual service until they reach 60% efficiency. GPH/T5 style lamps last longer than other UV lamps. Easy-to-remove power assembly allows quick servicing of all internal parts. 26-foot power-cord - with water-tight remote power supply. Heavy Plastic Wall Design - UV housing carries a Lifetime Warranty.

PRODUCT	MODEL	WATTS	POND SIZE IN GAL.(UP TO)	MAX FLOW	CONNECTION SIZE (TUBING)	LIST
UV-EA02025-W	02025	25	2360	788	1 1/2" SLIP	**554.50**
UV-EA02040-W	02040	40	4,725	1,574	1 1/2" SLIP	**682.12**
UV-EA02065-W	02065	65	8565	2,855	1 1/2" SLIP	**883.74**
UV-EA02080-W	02080	80	9445	3,148	1 1/2" SLIP	**1237.68**
UV-EA02130-W	02130	130	17,130	5,711	1 1/2" SLIP	**1527.24**
UV-EA20025	UV Lamp	25				**96.00**
UV-EA20040	UV Lamp	40				**106.00**
UV-EA20065	UV Lamp	65				**148.00**

Barley Bales

Barley straw has been suggested for use in ponds for algae control, yet minimal replicated scientific research exists to substantiate the observed positive results. It is believed that the barley, as it decomposes, slowly releases hydrogen peroxide into the water at levels that are toxic to algae.

PRODUCT	SIZE	TREATS	LIST
BARLEY-8-OZ	8 oz.	1000 gal.	**12.58 ea**
BARLEY-3X4	3 pk / 8 oz	1500 gal.	**16.56 / pk**

Water Conditioner Products

MARS fishcare

Creative thinking, powerful research, and innovative risk-taking lead to success! This philosophy has driven AQUARIUM PHARMACEUTICALS to develop its outstanding Pond Care® product line.

Chlorine & Heavy Metal Neutralizer

A dechlorinator that quickly neutralizes chlorine, copper, lead, zinc, and other heavy metals.

PRODUCT	SIZE	TREATS	CASE	LIST
AP141A	8 oz.	4,800 gal.	12/Box	**10.66 ea**
AP141B	16 oz.	9,600 gal.	12/Box	**17.54 ea**
AP141G	32 oz.	19,200 gal.	12/Box	**31.94 ea**

Ammo-lock® 2

Instantly detoxifies ammonia from fish waste, tap water, uneaten fish food, decomposing plants and algae.

PRODUCT	SIZE	TREATS	CASE	LIST
AP166B	16 oz.	1,920 gal.	12/Box	**18.50 ea**
AP166G	32 oz.	3,840 gal.	6/Box	**37.78 ea**
AP166D	64 oz.	4,680 gal.	6/Box	**56.94 ea**

pH Down™ pH Adjuster For Ponds

Slowly adjusts the pH of pond water, without harming delicate pond fish or pond plants.
• pH DOWN makes pond water more acidic

PRODUCT	SIZE	TREATS	CASE	LIST
AP170B	16 oz.	1 tsp / 50 gal	12/Box	**19.78 ea**

Stress Coat®

Fish and water conditioner that removes chlorine and conditions the water. Replaces the natural mucous slime coating on the skin of the fish. Contains Aloe Vera.

PRODUCT	SIZE	TREATS	CASE	LIST
AP140A	8 oz.	960 gal.	12/Box	**10.94 ea**
AP140B	16 oz.	1,920 gal.	12/Box	**17.66 ea**
AP140G	32 oz.	3,840 gal.	6/Box	**32.02 ea**
AP140D	64 oz.	7,680 gal	6/Box	**52.32 ea**
AP140C	1 gal.	15,360 gal.	4/Box	**95.26 ea**

Phos-Out™

As the fish waste and uneaten food decompose, phosphate is released as inorganic or reactive phosphate into the water. Reactive phosphate causes unclear water conditions in your pond. Use of PHOS-OUT will remove the needed reactive phosphate resulting is clear pond water.

PRODUCT	SIZE	TREATS	CASE	LIST
AP155B	16 oz.	1,892 gal	12/Box	**22.16 ea**
AP155G	32 oz.	3,784 gal	12/Box	**38.88 ea**
AP155D	64 oz.	7,568 gal	6/Box	**66.16 ea**

Accu-clear™

Clears cloudy water caused by dirt, algae and bacteria. Causes particles to clump so they can be easily removed by the filter.

PRODUCT	SIZE	TREATS	CASE	LIST
AP142A	8 oz.	2,400 gal.	12/Box	**11.80 ea**
AP142B	16 oz.	4,800 gal.	12/Box	**18.86 ea**
AP142G	32 oz.	9,600 gal.	6/Box	**34.44 ea**
AP142D	64 oz.	19,200 gal.	6/Box	**58.06 ea**
AP142C	1 gal.	37,854 gal.	4/Box	**108.24 ea**

MARS
fishcare

Water Conditioner Products

pH Up™ pH Adjuster For Ponds

Slowly adjusts the pH of pond water, without harming delicate pond fish or pond plants.
• pH UP makes pond water more alkaline

PRODUCT	SIZE	TREATS	CASE	LIST
AP171B	16 oz.	2 tsp / 50 gal	12/Box	**19.78 ea**

Ecofix™

Bacterial Pond Clarifier. ECOFIX™ reduces pollution and increases dissolved oxygen in your pond.

PRODUCT	SIZE	TREATS	CASE	LIST
AP147A	8 oz.	2,000 gal.	12/Box	**12.36 ea**
AP147B	16 oz.	4,000 gal.	12/Box	**19.48 ea**
AP147G	32 oz.	8,000 gal.	6/Box	**34.92 ea**
AP147D	64 oz.	16,000 gal.	6/Box	**58.46 ea**
AP147	1 Gal.	32,000 gal.	4/Box	**107.22 ea**

Water Clarifiers

Barley Clear™

A highly concentrated suspension of natural barley and peat plus natural activators that quickly unleash the power of barley and peat into the water. Phenolic compounds found in the Barley naturally clears the pond.

PRODUCT	SIZE	TREATS	CASE	LIST
AP138B	16 oz.	4,00 gal.	12/Box	**21.74 ea**
AP138G	32 oz.	8,000 gal.	12/Box	**37.00 ea**
AP138D	64 oz.	16,000 gal.	6/Box	**65.64 ea**

Simply Clear™

Clarifies water of organic and inorganic materials. Digests organic debris. Contains beneficial microbes that promotes a healthier environment. Improves water filter performance.

PRODUCT	SIZE	TREATS	CASE	LIST
AP248B	16 oz.	4,000 gal.	12/Box	**20.38 ea**
AP248G	32 oz.	8,000 gal.	6/Box	**35.04 ea**
AP248D	64 oz.	16,000 gal.	6/Box	**60.54 ea**
AP248C	1 gal	32,000 gal.	6/Box	**110.70 ea**

Algaefix™

For use in ponds and fountains containing live plants and fish. Effectively controls green water algae blooms and blanketweed.

PRODUCT	SIZE	TREATS	CASE	LIST
AP169A	8 oz.	2,400 gal.	12/Box	**13.40 ea**
AP169B	16 oz.	4,800 gal.	12/Box	**19.90 ea**
AP169G	32 oz.	9,800 gal.	6/Box	**33.44 ea**
AP169D	64 oz.	19,200 gal.	6/Box	**59.94 ea**
AP196C	1 Gal	38,400 gal.	4/Box	**102.52 ea**
AP196J	2.5 Gal	96,000 gal.	2/Box	**186.10 ea**

Microbial Algae Clean™

MICROBIAL ALGAE CLEAN ™ is the first bacterial algaecide registered with the EPA (Environmental Protection Agency). This product contains patented bacteria to control green water algae in ponds with live fish and plants. The bacteria help establish and maintain a clean pond, free of algae.

PRODUCT	SIZE	TREATS	CASE	LIST
AP269B	16 oz.	4800	12/Box	**22.14 ea**
AP269G	32 oz.	9600	6/Box	**38.28 ea**
AP269D	64 oz.	19200	6/Box	**68.84 ea**
AP269C	1 Gal	38400	4/Box	**115.86 ea**

Filter Products

Ammo-rocks™

Natural ion-exchange resins that act like sponges to remove deadly ammonia.
• Perfect as a biological filter media
• Improves the development of the biological filter

PRODUCT	SIZE	CASE	LIST
AP149B	10 lb. bag	4/Box	**25.96 ea**

Activated Filter Carbon

A special blend of highly activated carbon that removes colors, odors and poisonous waste from pond water.

PRODUCT	SIZE	CASE	LIST
AP76C	14 oz. Carbon	12/Box	**13.06 ea**
AP73F	.75 cu ft Carbon	1/Box	**176.00 ea**
AP75E	Bulk 1 Cu Ft Carbon	1/Box	**164.88 ea**

MARS
fishcare

Fish Care Products

Melafix™

Antibacterial Remedy for Koi and Goldfish. MELAFIX™ is an all-natural medication that is
an effective antibacterial remedy for pond fish.
• Treats ulcers and open wounds • Safe for aquatic plants
• Rapidly repairs damaged fins and tail rot
• WILL NOT affect the biological filter or alter the pH of the pond

PRODUCT	SIZE	TREATS	CASE	LIST
AP176A	8 oz.	2,400 gal.	12/Box	**12.94 ea**
AP176B	16oz.	4,800 gal.	12/Box	**20.50 ea**
AP176C	64oz.	19,000 gal.	4/Box	**70.52 ea**

Salt

All natural sea salt that replaces electrolytes such as potassium, sodium, chloride, calcium, and magnesium. Can be used to reduce stress or as a disease treatment.

PRODUCT	SIZE	TREATS	CASE	LIST
AP156C	65 oz.	500 gal.	6/Box	**8.92 ea**
AP156	145 oz.	1,200 gal.	4/Box	**25.38 ea**
AP106D	50 lb.	6,155 gal.	1/Box	**60.26 ea**

Pimafix®

Treats fungal infections on body and fins of pond fish. Use when introducing new fish.

PRODUCT	SIZE	TREATS	CASE	LIST
AP178B	16 oz.	2,400 gal.	12/Box	**22.12 ea**
AP178C	64 oz.	9,600 gal.	4/Box	**73.78 ea**

Jungle
POND AND FOUNTAIN PRODUCTS

Jungle Pond and Fountain Products are formulated as a system so that they may be used safely with each other. They have an indefinite shelf life– with no spoilage.

Water Quality Products

Pond Start®

A complete water conditioner that adds vital electrolytes, reduces stress in fish, provides protection from nitrite poisoning, removes chlorine, and neutralizes heavy metals.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-PL210-16	16 oz	1,419 gal	12/Box	**12.75 ea**

Pond Ammonia Chloramine Remover

Removes Ammonia, Chloramine and Chlorine. Breaks the chloramine bond, neutralizes chlorine and removes free ammonia. Useful where chlorine is added to municipal water systems.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-PL002-16	16 oz	960 gal	12/Box	**14.25 ea**

Pond Fizz Tabs™ Water Clarifier

Clears cloudy water fast. Settles suspended clays, silts and dirt. Makes removal easy.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-PT512	20 tabs	1 Tab / 50 gal	6/Box	**18.60 ea**

Pond Fizz Tabs™ Water Conditioner

Breaks the chloramine bond, neutrilizes chlorine and heavy metals from city water, removes free ammonia from pond water and helps lower toxic ammonia levels.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-PT500	20 tabs	1 Tab / 50 gal	6/Box	**16.50 ea**

Chemicals & Fish Care

Water Quality Products

Pond pH Decreaser®

Lowers pH of pond water. Useful in hard water areas where the pH is unusually high. Very useful in cement ponds to neutralize the alkalinity of the cement.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-PL004-16	16 oz	Application varies	12/Box	**15.75 ea**

Pond pH Increaser®

Raises pH of pond water. Useful where acid rain is a problem. Also good for use when water runs through a water softener.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-PL001-16	16 oz	Application varies	12/Box	**15.75 ea**

Fish Health Products

Pond Ick Guard®

Quickly and effectively clears ick (or white spot) on pond fish without having to raise the water temperature.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-PC044-17	17 oz	1,440 gal	12/Box	**21.90 ea**

Pond Anchors Away®

Removes anchor worms and other parasites. Highly effective in treating fish lice and copepods commonly found on pond fish.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-PC101-18	18 oz	4,800 gal	12/Box	**21.90 ea**

Pond Fizz Tabs™ Parasite Treatment

Removes fish parasites with praziquantel; with allantoin - a natural protectant.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-PT504	20 tabs	1 tab / 50 gal	6/Box	**30.75 ea**

Pond Fizz Tabs™ Fungus Treatment

Clears fugus and bacteria problems. Effective against: cotton mouth fungus, gray slime, open sores, bloody spots and streaks, fin and tail rot.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-PT502	20 tabs	1 tab / 50 gal	6/Box	**20.55 ea**

Pond Fungus Eliminator®

For the treatment of serious fungus and bacteria problems on pond fish. Highly effective against cotton & mouth fungus, gray slime, fin and tail rot, and sore or cloudy eyes.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-PC117-20	17 oz		12/Box	**21.90 ea**
JL-PC117-9	7.75 lb	10,545 gal	4/Box	**84.00 ea**

Pond Parasite Guard®

Removes external parasites on pond fish including fish lice, body flukes, gill flukes, gill mites, and anchor worms.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-PC111-20	17 fl. oz	1,440 gal	6/Box	**21.90 ea**
JL-PC111-9	7.75 lb	10,545 gal	4/Box	**84.00 ea**

Pond Fizz Tabs™ Ick Treatment

Quickly and effectively clears ick (white spot) on pond fish. Also guards against secondary infections as a result from wounds left by the ick parasite.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-PT506	20 tabs	1 tab / 50 gal	6/Box	**20.55 ea**

Pond No More Algae® Liquid

For ponds or fountains. No more suspended algae or algae on the sides of the pond. Not safe for use in ponds with plants or snails. EPA approved for aquaculture.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-PL620-16	16 oz	960 gal	12/Box	**15.00 ea**

Chemicals & Fish Care

Pond Maintenance Products

Pond Block®

An easy, effective way to control and prevent the growth of algae. Not recommended for use in ponds with live plants.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-PB060-4	4 block pack	1,000 gal	20/Box	**14.40 ea**
JL-PB060-50	50 block jar	12,500 gal	4/Box	**157.50 ea**

Pond Water Clear®

Especially good for new ponds. Clears cloudy water fast after adding water or after rain shower agitation. Settles suspended clays and silts for easy removal by filtration.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-PL040-16	16 fl oz	1.419 gal	12/Box	**16.75 ea**

Pond Water Shade®

A safe, nontoxic water dye that creates a beautiful blue hue in garden pond water.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-PL300-16	16 oz	4,800 gal	12/Box	**15.00 ea**

Pond Fizz Tabs™ Water Shade™

Safely colors pond water blue; shades the water not you.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-PT510	20 tabs	1 tab / 50 gal	6/Box	**18.60 ea**

Pond Clear-zyme®

This bio-active cleaning block keeps water cleaner and clearer by breaking down wastes which accumulate on the bottom of ponds as a sludge layer.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-PB200-4	4 blocks	1,000 gal	14/Box	**14.40 ea**

Pond Oxy Clear™

Eliminates harmful organics in pond water as a result of overfeeding, fish waste, decayed plants and leaves, etc. Clears pond of unsightly discoloration.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-PC127-18	20 oz	5650 gal	12/Box	**21.90 ea**

Pond Fizz Tabs™ Oxy Clear™

Protects the natural beauty of your pond with the oxidizing power of potassium permanganate.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-PT508	20 tabs	1 tab / 50 gal	6/Box	**20.55 ea**

Fountain Maintenance Products

No More Algae® For Fountains

Attacks and prevents algae growth in fountains. Retards growth of suspended algae blooms.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-PL625-8	8 oz	Up to 480 gal	12/Box	**10.20 ea**

No More White Scale® For Fountains

Removes existing calcium deposits and prevents new white scale deposits from forming. Safe for fish and plants.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-PL650-8	8 oz	Up to 480 gal	12/Box	**5.10 ea**

Fountain Block®

Controls and prevents algae growth in ornamental water fountains. Also helps clear cloudy water.

PRODUCT	SIZE	TREATS	CASE	LIST
JL-FB106	6 block pack	Up to 300 gal	14/Box	**7.65 ea**

Fountain Keeper®

Water stays clean and clear with these products: No More Algae®, No More White Scale®, and No More Foam®. Also protects pumps.

PRODUCT	SIZE		TREATS	LIST
JL-FK600	4 oz. each of:			**10.50 ea**
	No More Algae		Up to 240 gal	
	No More White Scale		Up to 240 gal	
	No More Foam		Up to 240 gal	

Chemicals & Fish Care

Ecological Laboratories Inc.

Microbe-Lift PL

Specially Formulated for Decorative Ponds, Lagoons & Smaller Water Features. Reduces cloudy water, & offensive and noxious odors caused by hydrogen sulfide, dead algae, fish fecal matter, and urine.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-PL016	16 oz	200 gal	24/Box	**20.34 ea**
EL-PL032	1 qt	500-1000 gal	12/Box	**31.14 ea**
EL-PL128	1 gal	1000-5000 gal	4/Box	**95.94 ea**

Microbe-Lift HC

Formulated for larger natural ponds, lakes and lagoons. Reduces offensive and noxious odors caused by hydrogen sulfide, dead algae, fish fecal matter, and urine. Will also reduce ammonia and nitrogen levels. Gallon only.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-HC128	1 gal	50,001 – 100,000	4/Box	**100.74 ea**

Microbe-Lift 7.5 pH Buffer / Stabilizer

Includes 2 pH buffers for gentle effectiveness and 3 electrolytes to help maintain osmotic balance. Provides necessary alkalinity for nitrification. Specially formulated to contro fish toxicity.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-PHBUF1	1 lb	1 scoop / 100 gal	6/Box	**17.94 ea**
EL-PHBUF4	4 lb	1 scoop / 100 gal	6/Box	**59.94 ea**

Microbe-Lift pH Increase

Formulated in deionized water. Includes 2 pH increasers for gentle effectiveness and 3 electrolytes to help maintain osmotic balance. Contains a slime coat ingredient for skin protection & stress reduction.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-PHIN16	16 oz	1 oz / 375 gal	12/Box	**14.34 ea**
EL-PHIN32	32 oz	1 oz / 375 gal	12/Box	**26.34 ea**
EL-PHINGAL	1 gal	1 oz / 375 gal	4/Box	**71.94 ea**

Microbe-Lift pH Decreaser

Formulated in deionized water. Includes 2 pH decreasers for gentle effectiveness and 3 electrolytes to help maintain osmotic balance. Contain s a slime coat ingredient for skin protection & stress reduction.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-PHDE16	16 oz	1 oz / 375 gal	12/Box	**14.34 ea**
EL-PHDE32	32 oz	1 oz / 375 gal	12/Box	**26.34 ea**
EL-PHDEGAL	1 gal	1 oz / 375 gal	4/Box	**71.94 ea**

Microbe-Lift Ensure

Promotes better root and blossom development, and healthier overall plant growth.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-EN032	1 qt	Varies per pond size	12/Box	**23.94 ea**
EL-EN128	1 gal		4/Box	**71.94 ea**

Microbe-Lift Defoamer

Leaves pond and fountain water clean and clear. For ponds and fountains of all sizes. Safe for fish, plants, birds and aquatic life.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-DFOAM16	16 oz	1 oz / 500 gal	12/Box	**14.34 ea**
EL-DFOAM32	32 oz	1 oz / 500 gal	12/Box	**26.34 ea**
EL-DFOAMGAL	1 gal	1 oz / 500 gal	4/Box	**71.94 ea**

Microbe-Lift Autumn/Winter Prep

Microbe-Lift/AWP is a two-part system that is specially formulated for pond winterization.

PRODUCT	SIZE	TREATS	CASE	LIST (EA.)
EL-AP032	1qt. /2) 2oz enzyme pks.	15 oz. monthly per. 5,000-10,000 gal. pond	12/Box	**35.94**
EL-AP128	1gl. /8) 2oz enzyme pks.	20 oz. monthly per 10,001-15,000 gal. pond	4/Box	**119.94**

Microbe-Lift Dechlorinator Plus

Neutralizes chlorine and breaks the chloramine bond while not scavenging oxygen as other dechlorinators do. Use with regular partial water changes and when replacing lost water.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-DECHL16	16 oz	1 oz / 150 gal	12/Box	**16.74 ea**
EL-DECHL32	32 oz	1 oz / 150 gal	12/Box	**35.94 ea**
EL-DECHLGAL	1 gal	1 oz / 150 gal	4/Box	**95.94 ea**

Ecological Laboratories INC.

Microbe-Lift Bio - Black

Will not stain birds, fish, pond rocks or most concrete fountains once diluted. Safe for humans, plants and aquatic life. Mixes completely in hours.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-BIOBLK08	8 oz	4000 gal	12/Box	13.14
EL-BIOBLK16	16 oz	8000 gal	12/Box	21.54

Microbe-Lift TAC

This totally active clarifier consists of dry bacterial cultures that are specially formulated to promote clean, clear pond water. The powder form is beneficial to water plant root systems, and improves marine life quality.
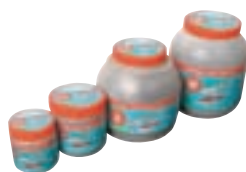
PRODUCT	SIZE	TREATS	CASE	LIST
EL-MLTAC005	8oz	2000 gal	12/Box	19.14 ea
EL-MLTAC010	16oz	4000 gal	12/Box	29.94 ea
EL-MLTAC030	3lb	12000 gal	6/Box	86.34 ea
EL-MLTAC050	5lb	20000 gal	6/Box	125.94 ea
EL-MLTAC250	25lb	100000 gal	1/Box	478.80 ea

Microbe-Lift Oxy Pond Cleaner

Break down unsightly debris. Oxy Pond Cleaner will safely yet immediately breakdown accumulated debris from rocks, streams and on water falls.

PRODUCT	SIZE	CASE	LIST
EL-OPCSM	2 lb.	12/Box	23.94 ea
EL-OPCMD	8 lb.	6/Box	59.94 ea
EL-OPCLG	18 lb.	2/Box	119.94 ea
EL-OPCXL	45 lb.	1/Box	179.94 ea

Microbe-Lift Spring / Summer Cleaner

Accelerates the breakdown of leaves, twigs, and other accumulated dead organic waste. This is a nontoxic, non-caustic, natural cleaner.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-SSC-1	1 lb.	4000 gal	12/Box	32.34 ea

Microbe-Lift Pond Phosphate Remover

A polymeric blend with outstanding qualities, including the ability to tie-up large quantities of phosphate without negatively influencing the pond water in any way.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-PHOSRE16	16 oz	1600 gal	12/Box	16.74 ea
EL-PHOSRE32	32 oz	3200 gal	12/Box	28.74 ea
EL-PHOSREGAL	1 gal	12800 gal	4/Box	83.94 ea

Microbe-Lift Bio-Blue

Will not stain birds, fish, pond rocks or most concrete fountains once diluted. Safe for humans, plants and aquatic life. Mixes completely in hours.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-MLBB8	8 oz	4000 gal	12/Box	10.74 ea
EL-MLBB16	16 oz	8000 gal	12/Box	17.94 ea
EL-MLBB1GAL	1 gal	64000 gal	4/Box	59.94 ea
EL-MLBB5GAL	5 gal	320000 gal	1/Box	269.94 ea

Microbe-Lift Sludge Away

Helpful for ponds that have rock or gravel bottoms & where vacuuming is impractical. Microbe-Lift/SA removes bottom organic sludge and muck that are slow to degrade.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-LSA032	1 qt	3200 gal	12/Box	35.94 ea
EL-LSA128	1 gal	12800 gal	4/Box	95.94 ea

Microbe-Lift Pond Salt Crystals

Will help maintain a healthy pond environment and reduce the threat of parasitic disease in pond water.

Treatment - 1/2 cup per 10 gals

PRODUCT	SIZE	CASE	LIST
EL-PSALTSM	2.5 lb.	12/Box	8.34 ea
EL-PSALTMD	5 lb.	6/Box	11.94 ea
EL-PSALTLG	9 lb.	4/Box	19.14 ea
EL-PSALTXLG	35 lb.	1/Box	41.94 ea
EL-PSALTXXLG	50 lb.	1/Box	55.14 ea

Microbe-Lift Soy-Based Cleaner

A special blend of soy-based chemistry that safely cleans organic debris, mineral deposits and scum build up for vinyl, rubber, EPDM liner, butyl, polyethylene, & plastic surfaces.

PRODUCT	SIZE	CASE	LIST
EL-SBC32	32oz. / Spray Bottle	12/Box	20.34 ea

Microbe-Lift Ammonia Remover

Gives beneficial bacteria time to multiply and recover if the biological filter gets damaged keeping the pond from being stressed.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-AMRE16	16 oz	2400 gal	6/Box	16.74 ea
EL-AMRE32	32 oz	4800 gal	12/Box	28.74 ea
EL-AMREGAL	1 gal	19200 gal	4/Box	83.94 ea

Chemicals & Fish Care

Ecological Laboratories INC.

Ecological Laboratories Inc.

Microbe-Lift Flocculant Plus

A proprietary formulation used to coagulate suspended solids in the pond water. After use, particles in the water settle to the bottom of the pond and/or filter out through the filter system.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-FPLUS16	16 oz	2400 gal	12/Box	**16.74 ea**
EL-FPLUS32	32 oz	4800 gal	12/Box	**28.74 ea**
EL-FPLUSGAL	1 gal	19200 gal	4/Box	**83.94 ea**

Microbe-Lift PL/GEL (Filter Pad Innoculant)

PL/GEL is a technological breakthrough because its the first product that puts bacteria right where you want it and is stays there.

PRODUCT	SIZE	CASE	LIST
EL-GEL8	8 oz.	12/Box	**14.98 ea**
EL-GEL16	16 oz.	12/Box	**23.94 ea**
EL-GEL32	32 oz.	4/Box	**38.34 ea**

Microbe-Lift Restore

Promotes regeneration from damages to skin, fins, and scales. Contains double slime-coat protection promoting natural defense against infection plus added electrolytes and Vitamin b12 to help heal and regenerate fins.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-FWH16	16 oz	960 gal	12/Box	**15.54 ea**
EL-FWH32	32 oz	1920 gal	12/Box	**27.54 ea**
EL-FWHGAL	1 gal	7680 gal	4/Box	**83.94 ea**

Microbe-Lift Pond Fish Protectant

A chemical treatment for all pond fish that helps prevent ick parasites, fungus and bacteria before they cause problems.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-FPRO16	16 oz	960 gal	12/Box	**16.74 ea**
EL-FPRO32	32 oz	1920 gal	12/Box	**28.74 ea**
EL-FPROGAL	1 gal	7680 gal	4/Box	**83.94 ea**

Microbe-Lift Praziquantel

The most effective treatment for flukes, flatworms, and turellarians. Recommended as an annual spring treatment for ornamental ponds.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-PRAZIM	10 gram	1000 gal	12/Box	**34.74 ea**
EL-PRAZIMED	50 gram	5000 gal	12/Box	**95.94 ea**

Microbe-Lift Super Start Bead Filter Bacteria

Used as directed it provides: • Establishment of organic removal capabilities • Breakdown of residual medications • Establishment of nitrogen cycling including nitrification and denitrification

PRODUCT	SIZE	TREATS	CASE	LIST
EL-MLBFBQ	32 oz	3200 gal	12/Box	**35.94 ea**
EL-MLBFBG	1 gal	12800 gal	4/Box	**95.94 ea**

Microbe-Lift Ich Out

Promotes rapid relief of ick & parasitic diseases for all pond fish. Safely helps to reduce the chances of secondary infections and will not burn.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-ICHP16	16 oz	960 gal	12/Box	**16.74 ea**
EL-ICHP32	32 oz	1920 gal	12/Box	**28.74 ea**
EL-ICHPGAL	1 gal	7680 gal	4/Box	**71.94 ea**

Microbe-Lift Defend

Provides rapid relief for whitish cottony patches on skin or fins & grayish slime surface on body. Combines 2 major anti-fugal ingredients plus a slime coat stimulator.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-DEF16	16 oz	960 gal	12/Box	**16.74 ea**
EL-DEF32	32 oz	1920 gal	12/Box	**28.74 ea**
EL-DEFGAL	1 gal	7680 gal	4/Box	**83.94 ea**

Microbe-Lift Broad Spectrum Disease Treatment

Effective treatment for the control of disease caused by ich, costia, trichodina, and fungal infections.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-BSDT16	16 oz	3.5 oz/1000 gal	12/Box	**19.14 ea**
EL-BSDT32	32 oz	3.5 oz/1000 gal	12/Box	**29.94 ea**
EL-BSDTGAL	1 gal	3.5 oz/1000 gal	4/Box	**71.94 ea**

Microbe-Lift TheraP

Formulated for Promoting Fish Health. Reduces environmental stress and promotes rapid fish growth. Biodegrades uneaten decomposed food (protein, starch, and fats). Safe for all animals in and around the pond.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-TH032	32 oz	3200 gal	12/Box	**31.14 ea**
EL-TH128	1 gal	12800 gal	4/Box	**107.94 ea**

Ecological Laboratories INC.

Microbe-Lift Sabbactisun

A unique herbal immune enhancing stimulant, which reduces bacterial and fungal infections in fish showing symptoms: fin & tail rot, ulcers, bulging eyes, milky skin, and raised scales.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-SBACT04	4 oz	12 gal-10 days	12/Box	10.74 ea
EL-SBACT08	8 oz	24 gal-10 days	12/Box	147.94 ea
EL-SBACT16	16 oz	48 gal-10 days	12/Box	29.94 ea
EL-SBACT32	32 oz	96 gal-10 days	12/Box	47.94 ea
EL-SBACTC08	8 oz	120 gal-10 days	12/Box	47.94 ea
EL-SBACTC16	16 oz	240 gal-10 days	12/Box	89.94 ea
EL-SBACTC32	32 oz	480 gal-10 days	12/Box	155.94 ea

Biological Mosquito Control

For decorative water gardens, fountains, bird-baths & areas where standing water exists. Microbe-Lift/BMC kills developing mosqui-toes BEFORE they become adults. Safe for use around humans, animals, horses, livestock, pets, birds or wildlife. Active up to 14 days.

PRODUCT	SIZE	SIZE	CASE	LIST
EL-MC02	2 oz	2000 gal	12/Box	21.54 ea
EL-MC06	6 oz	5000 gal	6/Box	27.54 ea
EL-MC12	12 oz	7500 gal	6/Box	39.54 ea
EL-MC16	16 oz	10,000 gal	6/Box	52.74 ea
EL-MC2-5GAL	1 gal	1,280,000 gal	2/Box	167.94 ea

Calcium Montmorillonite Clay

100% natural & specially formulated for pond clarity & Koi health, growth, & color. Clay is used in ponds to achieve many goals: such as fish nutrition through mineral ingestion, immunity against viruses, improves fish color, detoxifies and clarifies pond water. Treatment - 100-250 gal, 1 tsp twice weekly.

PRODUCT	SIZE	CASE	LIST
EL-MLKKB02	2 lb.	12/Box	14.34 ea
EL-MLKKB04	4 lb.	12/Box	23.94 ea
EL-MLKKB06	6 lb.	6/Box	35.94 ea
EL-MLKKB25	25 lb.	1/Box	131.94 ea

MICROBE-LIFT - Fountain Clear

Fountain Clear helps to ensure clear, sparkling water that keeps your fountain pump free from organic debris. And comes in two specially formulated sizes.

PRODUCT	SIZE	TREATS	CASE	LIST
EL -TTFC4	4 oz.	1600 gal	24/Box	10.74 ea
EL-TTFC16	16 oz	6400 gal	12/Box	21.54 ea

Microbe-Lift Parazoryne

A unique herbal immune enhancing stimulant, which reduces: Skin flukes, gill flukes, ich, oodinium, costia, chilodonella and trichodina.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-PARA04	4 oz	12 gal-10 days	12/Box	11.94 ea
EL-PARA08	8 oz	24 gal-10 days	12/Box	17.94 ea
EL-PARA16	16 oz	48 gal-10 days	12/Box	29.94 ea
EL-PARA32	32 oz	96 gal-10 days	12/Box	47.94 ea
EL-PARAC08	8 oz	120 gal-10 days	12/Box	47.94 ea
EL-PARAC16	16 oz	240 gal-10 days	12/Box	89.94 ea
EL-PARAC32	32 oz	480 gal-10 days	12/Box	155.94 ea

Microbe-Lift Algaway

Eliminates most planktonic and filamentous algae quickly and efficiently without phytoxicity so water is safe for irrigation, turf, and shrubs. Fish Safe.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-ALGA008	8 oz	2839 gal	12/Box	13.14 ea
EL-ALGA016	16 oz	5678 gal	12/Box	18.58 ea
EL-ALGA032	32 oz	11356 gal	12/Box	29.94 ea
EL-ALGA128	1 gal	45424 gal	4/Box	101.94 ea

Microbe-Lift Soy-based Birdbath & Statuary Cleaner

A special blend of soy-based chemistry that will help correct mineral problems such as scaling, staining and water discoloration on birdbaths, garden statues, sculptures, stone and brick. Safe for wildlife.

PRODUCT	SIZE	CASE	LIST
EL-10SBSC8	8 oz. / Spray bottle	12/Box	11.94 ea
EL-10SBSCQ	32 oz. Spray bottle	12/Box	20.34 ea

Microbe-Lift Birdbath Clear

A bio-enzymatic product specially formulated for birdbaths. Helps keep birdbath water clear, helps prevent hard water stains, and crusty white scale deposits.

PRODUCT	SIZE	CASE	LIST
EL-10BBC4	4 oz. / 22 Treatments per Bottle	24/Box	11.94 ea

Toll Free (888) Pond H2O
Atlanta (770) 496-5740
Fax (770) 270-1959

Chemicals & Fish Care

Ecological Laboratories INC.

Ecological Laboratories Inc.

Microbe-Lift Barley Straw Pellets+

The manufacturing process eliminates the use of wheat, corn or other binders. Assists in algae control.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-BSP-022	2.2 lb	6 oz / 200 gal	12/Box	**19.14 ea**
EL-BSP-044	4.4 lb	6 oz / 200 gal	12/Box	**29.94 ea**
EL-BSP-105	10.5 lb	6 oz / 200 gal	6/Box	**43.14 ea**
EL-BPPX25	25 lb	6 oz / 200 gal	1/Box	**92.34 ea**

Microbe-Lift Barley Straw Concentrated Extract

Liquid concentrate barley straw extract is especially helpful where bottom drains exist. Promotes control of algae.

PRODUCT	SIZE	TREATS	CASE	LIST
EL-LCBSE008	8 oz	1600 gal	12/Box	**14.34 ea**
EL-LCBSE016	16 oz	3200 gal	6/Box	**19.14 ea**
EL-LCBSE032	32 oz	6400 gal	6/Box	**33.54 ea**
EL-LCBSE064	64 oz	12800 gal	4/Box	**58.74 ea**
EL-BSE128	1 gal	25000 gal	1/Box	**71.94 ea**

TetraPond®

TETRA POND Products

Aquasafe

AquaSafe quickly makes tap water safe for pond fish by eliminating chlorine, chloramines, other chemicals, and neutralizes heavy metals. Provides a protective colloid coating for fish.

PRODUCT	SIZE	TREATS	CASE	LIST
T 16263	8.4 oz	1250 gal	12/Box	**9.63 ea**
T-16267	16.9 oz	2500 gal	6/Box	**16.65 ea**
T-16275	101.4 oz	15000	2/Box	**85.80 ea**

Water Clarifier

Formerly Aqua REM Clears cloudy and discolored water by quickly clumping contaminants so they can be easily removed by filtration or vacuuming. Not harmful to pond life or plants.

PRODUCT	SIZE	TREATS	CASE	LIST
T-16393	8.4 oz	1250 gal	12/Box	**13.32 ea**
T-16397	16.9 oz	2500 gal	6/Box	**22.23 ea**

Pond Fish Treatment

Formally Desafin. Treats goldfish and koi against infection by destroying harmful parasites, bacteria and fungus.

PRODUCT	SIZE	TREATS	CASE	LIST
T-16366	8.4 oz	1250 gal	12/Box	**13.98 ea**
T-16382	16.9 oz	2500 gal	6/Box	**24.33 ea**

Barley & Peat Extract

Releases beneficial humic acids that replace messy barley bales. Maintains the natural beauty of ponds and waterfalls. Reduces pond maintenance.

PRODUCT	SIZE	TREATS	CASE	LIST
T-16293	8.4 oz	1250 gal	12/Box	**9.63 ea**
T-16294	16.9 oz	2500 gal	6/Box	**16.65 ea**

Sludge Reducer

Contains high concentration of natural, beneficial bacteria and enzymes that consume the organic matter and nutrients, in pond water. Safe for fish and aquatic plants. Use in the spring and summer.

PRODUCT	SIZE	TREATS	CASE	LIST
T-77392	8 oz	8000 gal	12/Box	**15.90 ea**
T-16439	16 oz	16000 gal	12/Box	**26.67 ea**
T-16398	40 oz	40000 gal	6/Box	**56.10 ea**

Algaecontrol

Effectively combats algae blooms (green water), string & hair algae (Spirogyra) and blanket weed (Oedogonium). For use in fountains or in ponds with ornamental plants and fish.

PRODUCT	SIZE	TREATS	CASE	LIST
T-77186	8.4 oz	3000 gal	12/Box	**13.53 ea**
T-77187	16.9 oz	6000 gal	6/Box	**18.93 ea**
T-77189	33.8 oz	12000 gal	6/Box	**32.76 ea**
T-77188	101.4 oz	36000 gal	2/Box	**76.32 ea**

Chemicals & Fish Care

Earthtec® Products

Earthtec® Algaecide / Bactericide

Earthtec is a low pH algaecide/bactericide designed for use in lakes, ponds, reservoirs, irrigation canals, treatment lagoons, and other water systems. Earthtec is available in quarts, gallons, 5-gallon containers, 30-gallon.

PRODUCT	DESCRIPTION	TREATS—POND w/out fish ~ w/ fish	SHIPPING METHOD	LIST PRICE	CASE QTY.
ET-00025-QT	EARTHTEC, QUART	17,500 ~ 200,000	ships UPS	**18.26 ea**	12
ET-001GAL	EARTHTEC, 1 GAL.	100,000 ~ 1,000,000	motor freight	**47.80 ea**	4
ET-002.5GALS	EARTHTEC, 2.5 GAL.	500,000 ~ 5,000,000	motor freight	**100.15 ea**	1
ET-030GALS	EARTHTEC, 30 GAL.	3,000,000 ~ 30,000,000	motor freight	**1035.50 ea**	1
ET-055GALS	EARTHTEC, 55 GAL.	5,500,000 ~ 55,000,000	motor freight	**1830.97 ea**	1
ET-275GALS	EARTHTEC, 275 GAL.	27,500,000 ~ 275,000,000	motor freight	**8456.62 ea**	1
ET-CU-MINI-KIT	Copper Test Kit			**26.95 ea**	

GreenClean Products

GreenClean

For pond clean outs, apply GreenClean directly to rocks then rinse them. Apply first when using beneficial bacteria. Works at any water temperature, but works faster in warmer water. Skimming dead algae from the water's surface can help prevent further algae. Treatment - 1/2 cup per 500 gal

PRODUCT	DESCRIPTION	LIST PRICE
GREENCLEANTABS-03	GreenClean Tabs - 3 lbs - 1 tab / 200 gal	**46.54 ea**
GREENCLEANTABS-08	GreenClean Tabs - 8 lbs - 1 tab / 200 gal	**90.86 ea**
GREENCLEAN02LB	2 lbs - 1/2 cup / 500 gal	**35.52 ea**
GREENCLEAN08LB	8 lbs - 1/2 cup / 500 gal	**76.68 ea**
GREENCLEAN50LB	50 lbs - 1/2 cup / 500 gal	**256.10 ea**
GREENCLEANPH-	GreenClean pH Down - up to 8000 gal	**24.12 ea**
GREENCLEANPH+	GreenClean pH Up - up to 8000 gal	**20.26 ea**
GREENCLEAN02+	GreenClean 02+ Slow Release Oxygen Plus	**45.90 ea**

Aqua-T

Aqua-T is not an algaecide. It reduces the level of turf-harming contaminants such as ammonia, carbon dioxide, hydrogen sulfites, and methane in your water. The half-pound water soluble bags make treatment a snap. Eliminates pond scum. Improves water clarity & quality. Reduces organic sediment, eliminates odors, no permit or licenses required.

PRODUCT	DESCRIPTION	TREATS	LIST PRICE
AQUA-T-005SP	8 oz Package	**25,000 gal**	**21.26 ea**
AQUA-T-25SP	50 - 8 oz Packages	**1,250,000 gal**	**973.70 ea**

TRUE BLUE EZ SOLUPAK LAKE DYE

Precision True Blue EZ SoluPak pond and lake dye in water-soluble packets.

PRODUCT	SIZE / TREATS	AMOUNT	LIST
TRUEBLUE-1PAK	5.25 oz / 330,000 gal.	1 ea.	**26.10 ea**
TRUEBLUE-6PAK	6 pak / 2,000,000 gal.	6 / case	**134.80 ea**

COASTAL POND™ Products

Coastal's All Purpose Pond Safe Salt

Pure salt with no additives. Broad-spectrum treatment for many fish problems. 50 lb. bag.

PRODUCT	DESCRIPTION	LIST PRICE
SALT-50LB	Salt, 50 lb. Bag, Pure	**30.76 ea**

Coastal's Black Lagoon Dye

For backyard fish ponds, waterfalls, and lakes. Black Lagoon, a black crystal or liquid dye, helps control the growth of many algae and underwater weeds. Not only does the dye give the illusion of the water being deeper, it also makes the colors on the fish appear brighter. Completely fish-safe.

LIQUID DYE

PRODUCT	SIZE	LIST PRICE
CPS-DYE-BL-08L	8 fl. oz. / 3200 gal. / 1/4 oz. Per 100 gal.	**8.80 ea**

CONCENTRATED CRYSTALS

PRODUCT	SIZE	LIST PRICE
CPS-DYE-BL005	12 oz Dye Crystals - 84000 gal	**18.68 ea**
CPS-DYE-BL-24T	24 tsp. / Treats 28,000 gal	**14.30 ea**
CPS-DYE-BL05LB	6 lbs. Bulk / Treats 672,000 gal	**132.00 ea**
CPS-DYE-BL25LB	25 lbs. Bulk / Treats 2,800,000 gal	**487.50 ea**

KORDON - Fresh & Salt Water

Pond AmQuel®

Quickly removes ammonia, chloramines, chlorine, and pheromones. Nontoxic to aquatic life, humans, pets, and is not harmful to biological filters.

PRODUCT	DESCRIPTION	CASE QTY.	LIST
KORDON31016	16 oz. / Treats up to 960 gal	12	**15.32 ea**
KORDON31021	1 gal. / Treats up to 7,693 gal	4	**79.48 ea**

Pond NovAqua®

Removes harmful substances such as copper, and chlorine from water in all ponds, while relieving stress, and adding a protective skin coat and needed electrolytes to your pond fish. Its temporary buffering action is designed to prevent pH shock.

PRODUCT	DESCRIPTION	CASE QTY.	LIST
KORDON31006	16 oz. / Treats up to 960 gal	12	**15.32 ea**
KORDON31011	1 gal. / Treats up to 7,693 gal	4	**79.48 ea**

Pond AmQuel Plus®

Pond AmQuel+ is a unique water conditioner providing actions needed for safe aquarium and pond keeping for fishes and invertebrates (snails, shrimp, coral reef animals, etc.) in fresh, brackish, and salt water.

PRODUCT	DESCRIPTION	CASE QTY.	LIST
KORDON30016	16 oz. / Treats up to 960 gal	12	**20.36 ea**
KORDON30021	1 gal. / Treats up to 7,693 gal	4	**110.50 ea**
KORDON30025	5 gal	1	**414.00 ea**

Pond NovAqua Plus®

Tap water may be safe for humans, but in most localities it is not safe for fishes and aquatic invertebrates. Tap water needs to be modified by using Pond NovAqua+ when setting up aquariums and ponds, when making water changes, and when preparing salt water.

PRODUCT	DESCRIPTION	CASE QTY.	LIST
KORDON30006	16 oz. / Treats up to 960 gal	12	**17.88 ea**
KORDON30011	1 gal. / Treats up to 7,693 gal	4	**99.16 ea**
KORDON30015	5 gal	1	**387.52 ea**

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Pond PolyAqua®

This product combines the effective skin slime replacement properties found in Pond NovAqua® with the addition of vitamin B12. The polymers found in Pond PolyAqua's slime replacer are more concentrated than those found in Pond NovAqua. Formulated to reduce the possibility of disease outbreak, aids in the reduction of stress and increases the survival rates of aquatic animals.

PRODUCT	DESCRIPTION	CASE QTY.	LIST
KORDON31026	16 oz. / Treats up to 960 gal	12	**13.14 ea**
KORDON31031	1 gal. / Treats up to 7,693 gal	4	**63.60 ea**

Herbal / Ich Attack™

A new 100% natural botanical inhibitor and preventative for the treatment of disease caused by protozoans, Ich, dinoflagellates, and fungus. Will not harm invertebrates or biological filters.

PRODUCT	DESCRIPTION	CASE QTY.	LIST
KORDON31086	16 oz. / Treats up to 960 gal	12	**14.94 ea**

Herbal / Prevent Ich™

One of the new herbal medications that are effective in treating external parasites. Prevent Ich and keeps white spots known as Ich and other protozoan parasites from becoming established. Non-toxic to all biological filters, fishes and invertebrates.

PRODUCT	DESCRIPTION	CASE QTY.	LIST
KORDON31096	16 oz. / Treats up to 960 gal	12	**14.94 ea**

Pond Rid-Ich+®

A combination of two powerful medications, to effectively control many diseases of fish, caused by freshwater external parasites such as Ich, Costia, Trichodina, and Chilodonella. Pond Rid-Ich+ will not interfere with biological filtration.

PRODUCT	DESCRIPTION	CASE QTY.	LIST
KORDON31046	16 oz. / Treats up to 960 gal	12	**14.64 ea**
KORDON31051	1 gal. / Treats up to 7,693 gal	4	**81.86 ea**

Water Test Kits

MARS fishcare **Pondcare**

Liquid Wide Range pH Test Kit
A liquid test kit that instantly and accurately measures the wide pH ranges in pond water. Tests pH levels from 5.0 to 9.0.

Liquid Nitrite Test Kit
Accurately measures the concentration of nitrite, a toxic chemical produced when nitrifying bacteria break down the ammonia in pond water. Reads nitrite levels from 0 ppm to 5 ppm.

Pond Care® - Master Liquid Test Kit
Tests for pH, ammonia, nitrite, and phosphate levels. Kit contains instruction book, laminated color cards, four test tubes, and holding tray

Pond Care® - Phosphate Test Kit
As phosphate increases so does the chance of having unsightly algae and green water blooms.

Liquid Ammonia Test Kit
A kit for determining the level of ammonia. Reads ammonia levels from 0 ppm to 7 ppm.

Nitrate Test Kit
Tests nitrate levels from 0-160 ppm

GH & KH Hardness Test Kit
Tests for general hardness and carbonate hardness

Copper Test Kit
Test reads 0-4 ppm. Helps maintain a healthy aquarium or pond by ensuring that copper levels are within the healthy range. Based treatments at therapeutic levels.

PRODUCT	TESTS	SIZE	CASE QTY.	LIST EA.
AP160	pH	160 tests	12	**8.92**
AP026	Nitrite	180 tests	24	**9.38**
AP-LR8600	Ammonia	130 tests	24	**11.82**
AP063L	Phosphate	150 tests	24	**14.52**
AP164M	Master Test Kit	6 bottle kit	6	**39.40**
AP-LR1800	Nitrate	90 tests	24	**11.82**
AP058	GH & KH Hardness	90 tests	24	**10.20**
AP065L	Copper	90 tests	24	**11.16**

Chemicals & Fish Care

Water Test Kits

Ecological Laboratories

5 in 1 Test Kit
Includes tests for Nitrate, Nitrite, Total Hardness, Total Alkalinity and pH

Ammonia
Fresh water use. Allows you to easily monitor ammonia levels to keep the water quality safe for fish and other aquatic life.

Chlorine
Reduces the chloramine potential for toxicity due to chlorine or chloramines

Nitrate/Nitrite
Helps determine if pond is cycling. Helps easily monitor fluctuating levels of: Nitrate which can stimulate unwanted algae growth, Nitrite which can be harmful to fish

Phosphate
Managing phosphate levels is the most natural way to avoid algae blooms.

PRODUCT	TESTS	SIZE	CASE QTY.	LIST EA.
EL-AQTEST5	5-In-1	1 test	12	**18.95**
EL-AQTESTAMM	Ammonia	50 tests	12	**18.95**
EL-AQTESTCHLR	Chlorine	50 tests	12	**15.95**
EL-AQTESTNITR	Nitrate/Nitrite	50 tests	12	**18.95**
EL-AQTESTPHOS	Phosphate	50 tests	12	**18.95**

Danner Hydrometer - For Testing Salt

For saltwater and brakish water aquariums or ponds.
• Includes salinity and specific gravity scales
• Easy to read and use
• Durable clear acrylic

List Price: $24.35
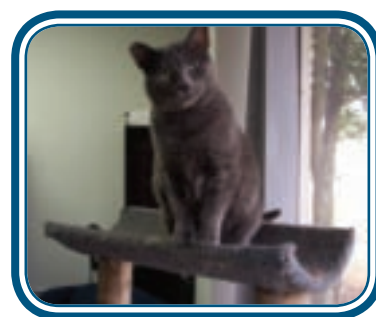
Jungle Quick Dip® Test Kits

Pond water testing doesn't have to be difficult to be effective. With Quick Dip®, you can test the waters with a simple dip of the strip, eliminating the need for glass tubes and mixing chemicals. Accurate results within seconds. Test for pH, Chlorine/Chloramine, Ammonia, Nitrate/Nitrite, and Hardness/Alkalinity.

PRODUCT	DESCRIPTION	SIZE	CASE QTY.	LIST EA.
JL-PTS300	Quick Dip® Multi-test Strip	50 tests	6	**23.26**
JL-TK101	pH Level Quick Dip® Test Strips	100 tests	10	**27.00**
JL-TK202	Chlorine/Chloramine Quick Dip® Test Strips	100 tests	10	**27.00**
JL-TK303	Ammonia Quick Dip® Test Strips	100 tests	10	**37.50**
JL-TK404	Nitrate/Nitrite Quick Dip® Test Strips	100 tests	10	**43.50**
JL-TK505	Hardness/Alkalinity Nitrate/Nitrite Quick Dip® Test Strips	100 tests	10	**27.00**
JL-TK881	Quick Dip® 6 n 1 Test Strips	100 tests	10	**43.00**

Ecological Laboratories INC.

MICROBE-LIFT®

Legacy Fruits And Greens Floating Sticks

Contains apples, apricots, kiwis, mangos, papayas, peaches, pears, broccoli, cabbage, peas, red peppers, tomatoes, zucchini and spinach.

PRODUCT	SIZE	CASE QTY.	LIST
EL-MLLFG0145	14.5 oz.	12	14.34 ea
EL-MLLFG022	2 lbs. 2 oz.	6	27.34 ea
EL-MLLFG06	6 lbs.	6	59.94 ea
EL-MLLFG35	35 lb	1	152.34 ea

Legacy High Growth & Energy

In the late spring when the warmer termperatures arrive, koi and goldfish need a boost of protein for growth since they have depleted their fat reserves over winter.

PRODUCT	SIZE	CASE QTY.	LIST
EL-MLLHGE016	14 oz.	12	14.34 ea
EL-MLLHGE027	2 lbs. 12 oz.	6	28.74 ea
EL-MLLHGE066	6 lbs. 11 oz.	6	55.14 ea
EL-MLLHGE350	35 lb. Bag	1	155.94 ea

Legacy Summer Staple Floating Pellets

As the warmer weather sets in, begin increasing the frequency and quantity of your feedings. Contains animal protein and color enhancers that are needed during this season.

PRODUCT	SIZE	CASE QTY.	LIST
EL-MLLSS01	13 oz.	12	11.82 ea
EL-MLLSS023	2 lbs. 3 oz.	6	26.34 ea
EL-MLLSS068	6 lbs. 8 oz.	6	53.94 ea
EL-MLLSS35	35 lb. Bag	1	143.94 ea

Legacy Variety Mix Floating Pellets And Sticks

A complete blend of fruits, greens, carbohydrates, protein, wheat germ, vitamins and probiotics for your koi and pond fish. Contains 25% of each Legacy Food.

PRODUCT	SIZE	CASE QTY.	LIST
EL-MLLVM007	13 oz.	12	14.54 ea
EL-MLLVM03	3 lbs.	6	28.74 ea
EL-MLLVM06	6 lbs.	6	53.94 ea
EL-MLLVM40	40 lbs.	1	167.94 ea

Legacy Immunostimulant With Montmorillonite Clay

Use when temperatures are about 68°F. Montmorillonite clay provides added minerals, which help stimulate immunity against viruses commonly found in pond environments and also acts as a toxin binder by neutralizing metabolic toxins.

PRODUCT	SIZE	CASE QTY.	LIST
EL-MLLI-01	12 oz.	12	13.14 ea
EL-MLLI-022	2 lbs. 2 oz.	6	25.14 ea
EL-MLLI-BAG	30 lb	1	131.94 ea

Legacy Cold Weather Spring/Fall Formula

For cold weather periods of spring and fall when nighttime temperatures can go below 55°F. When pond water temperatures drop, fish require a highly digestible cool-water diet.

PRODUCT	SIZE	CASE QTY.	LIST
EL-MLLWG01	16 oz.	12	13.14 ea
EL-MLLWG035	3 lbs. 8 oz.	6	29.94 ea
EL-MLLWG40	40 lb. Bag	1	158.34 ea

Legacy Sinking Food Summer Staple Blend

Great for stressed or sick fish that don't come to the pond's surface and feed off the bottom of the pond.

PRODUCT	SIZE	CASE QTY.	LIST
EL-MLLSP0125	20 oz	12	15.54 ea
EL-MLLSP040	4 lbs	6	45.54 ea
EL-MLLSP85	8.5 lbs	1	86.34 ea
EL-MLLSP23	23 lbs	1	185.94 ea

Legacy Mini Pellets

Contains stabilized Vitamin C to help promote proper tissue development.

PRODUCT	SIZE	CASE QTY.	LIST
EL-MLLML01	14 oz.	12	10.74 ea
EL-MLLMP03	2 lbs. 8 oz.	6	23.94 ea
EL-MLLMP50	50lbs	1	155.94 ea

Legacy Koi & Pond Fish Treats

The treats contain stabilized Vitamin C, along with krill, kelp, crab and lobster meal. Nature's Building Blocks are also blended into these three floating treats which will draw pond fish to the top of the water for viewing and eventual hand feeding.

PRODUCT	SIZE	CASE QTY.	LIST
EL-MLLKELP	Kelp - 1 quart	12	17.94 ea
EL-MLLCRUST	Crustatian - 1 quart	12	17.94 ea
EL-MLLKRILL	Krill - 1 quart	12	17.94 ea

Fish Food

Fish Foods

COASTAL POND™ Products

Coastal Pond Bulk Koi Food

PRODUCT	SIZE	LIST
FFK32-3-7MM-50	50 lbs - Koi Maintenance Food	**86.60 ea**
FFK32-6-5MM-40	40 lbs - Koi Wheat Germ	**112.00 ea**
FFK38-6-4MM-50	50 lbs - Koi Growth / Color	**137.64 ea**

Coastal Pond Medicated Koi Food

PRODUCT	SIZE	LIST
ROMET-03BAG	3 lbs - Medicated Fish Food	**11.95 ea**
ROMET-04BOTTLE	4 lbs - Medicated Fish Food	**19.50 ea**
ROMET-50BAG2.5	50 lbs - Medicated Fish Food	**204.00 ea**

Tetra Pond Products

Tetra Pond Pond Sticks

Specially developed to give pond fish a complete balanced diet, as they contain all the animal and vegetable protein that your fish need. Feed in spring, summer, and fall when water temperatures are 50 degrees F and above.

PRODUCT	SIZE	CASE QTY.	LIST
T-16354	3.5 oz. Canister	12	**6.78 ea**
T-16482	1 lb. Box	6	**19.95 ea**
T-16483	1 3/4 lb. Box	6	**26.34 ea**
T-16484	3 3/4 lb. Box	4	**45.78 ea**
T-16457	11 lb. Box	1	**127.20 ea**

Tetrafin Flaked Food

A high quality easily digested diet in flake form. An ideal diet for the Goldfish and small Koi in your pond.

PRODUCT	SIZE	CASE QTY.	LIST
T-16210	6.34 oz. Canister Flaked	12	**9.06 ea**

Tetra Pond Koi Growth

Specifically created to stimulate streamlined growth, as well as looking after the Koi's general well being. Contains special combination of proteins, vitamins and minerals to achieve maximum growth.

PRODUCT	SIZE	CASE QTY.	LIST
T-16434	9.52 oz. Canister	12	**11.55 ea**
T-16489	4.8 lb. Box	6	**54.45 ea**

Tetra Vacation Food

Keep peace of mind when traveling with our new TetraPond Vacation Food. The gel based block will feed all pond fish for up to 7 days, without clouding water.

PRODUCT	SIZE	CASE QTY.	LIST
T-16477	3.45 oz	12	**7.38 ea**

Tetra Pond Koi Vibrance

Provides a completely natural and nutritious diet, but contains a higher protein level and a natural color enhancers to keep Koi as active, healthy, and colorful as nature intended. Feed in spring, summer, and fall when water temperatures are 50 degrees F and above.

PRODUCT	SIZE	CASE QTY.	LIST
T-16359	3.5 oz. Canister	12	**7.38 ea**
T-16494	1 3/8 lb. Box	6	**23.82 ea**
T-16485	2 1/2 lb. Box	6	**30.03 ea**
T-16486	5 1/4 lb. Box	4	**54.99 ea**
T-16458	16 1/2 lb. Box	1	**144.36 ea**

Tetra Pond Variety Blends

Contains three blended foods in one box. Pond Food Sticks for a staple diet, Koi Sticks to enhance color, and Wheat Germ Sticks to promote vitality. It is a nutritious diet in which every food stick is stabilized with Vitamin C.

PRODUCT	SIZE	CASE QTY.	LIST
T-16455	5.29 OZ. CANISTER	12	**8.49 ea**
T-16456	1.32 LB. BOX	6	**27.03 ea**
T-16454	2.2 LB. BOX	6	**31.65 ea**

Tetra Spring & Fall Diet

Tetra Pond Wheat Germ Sticks for Koi are extremely easy for Koi to digest, particularly in colder weather, and form a perfectly balanced diet, which will stimulate growth and fertility. Enriched with Spirulina algae, natural color enhancers, Vitamin E and stabilized with Vitamin C.

PRODUCT	SIZE	CASE QTY.	LIST
T-16467	7.05 oz. Canister	12	**10.35 ea**
T-16469	3 lb. Box	6	**53.01 ea**
T-16481	1.7 Lb. Box	6	**30.21 ea**

MARS
fishcare

Pond Care® Fish Feeder Block

Automatically feeds fish while you are away. One block feeds 5 goldfish or koi (each 5-10" length) for 5-7 days.

PRODUCT	SIZE	CASE QTY.	LIST
AP144B	5 oz	12	**8.54 ea**

Fish Transport

Fish Bags

PRODUCT	SIZE	LIST
BAG-08X18EACH	10 x 16 x 0.002	**.26 ea**
BAG-10X18_EACH	10 x 18 x 0.003	**.23 ea**
BAG-10X20EACH	10 x 20 x 0.002	**.24 ea**
BAG-12X28EACH	12 x 28 x 0.003	**.49 ea**
BAG-12X30EACH	12 x 30 x 0.003	**1.30 ea**
BAG-20X30EACH	20 x 30 x 0.003	**1.10 ea**

* box = 100 count

Bag Buddies

Adds a calming effect for transport of fish - 1 tablet to one gallon

PRODUCT	SIZE	LIST
JL JT703	400 Tablets per Jar	**10.66 ea**

Water Garden & Plant Accessories

Plant Soil, Food, and Fertilizers

Ecological Laboratories INC.

Bloom & Grow Plant Supplement

Aquatic plant supplement. Specially formulated for aquatic plants of all types to promote larger, brighter and faster blooms as well as healthier and stronger roots.

Features: Highly concentrated formula, contains micro and macro nutrients, contains vitamins and amino acids, has essential primary and secondary nutrients, nitrate and phosphate free.

PRODUCT	DESCRIPTION	LIST
EL-BNG16	16 oz Bloom and Grow	**17.94 ea**
EL-BNG32	32 oz Bloom and Grow	**29.94 ea**
EL-BNGGAL	128 oz Bloom and Grow	**83.94 ea**

Plantabbs® Pontabbs - 10-14-8

Specially formulated tablets for potted aquatic plants that maximize plant growth and flowering, and minimize algae growth.

PRODUCT	DESCRIPTION	CASE QTY.	LIST
PLANTABBS-0174	250 / Pondtabbs Jr. For Bog Plants	24	**8.70 ea**
PLANTABBS-0175	20 / Pondtabbs	24	**5.54 ea**
PLANTABBS-0176	60 / Pondtabbs	12	**13.85 ea**
PLANTABBS-0178	300 / Pondtabbs	4	**54.58 ea**
PLANTABBS-0177	1000 / Pondtabbs	4	**119.60 ea**
PLANTABBS-0179	4000 / Pondtabbs	1	**423.26 ea**

Ag-Safe Aquatic-Tabs - Slow Release - Feed every 3-4 Months

A proper balance of plant nutrients and 6 essential micronutrients to insure proper growth and development. Will not promote algae growth. Helps keep water clear. Fish safe and NO toxic chemicals.

PRODUCT	DESCRIPTION	CASE QTY.	LIST
AG-A102	25 Tablets per bag / Time release for 30 days	24	**4.80 / Bag**
AG-A103	100 Tablets per bag	12	**14.40 / Bag**
AG-A105L	300 Tablets per bottle	6	**48.00 / Bottle**

Fish Food

Water Garden & Plant Accessories

Fafard Aquatic Plant Soil

A specialized potting medium offers stability and promotes rooting of aquatic plants.

PRODUCT	DESCRIPTION	LIST
SOIL-AQ-F16QT	Watergarden Soil - 20 qt.	**16.48**

Atlas Aquatic Gloves

Tough Nitrile coated gloves protect hands and arms from chemicals, punctures & abrasion. Excellent dexterity and fit. Fully lined; 26 length. Machine washable. Sizes S, M, L, XL.

PRODUCT	DESCRIPTION	LIST
GLOVE-WG772	Atlas Aquatic Gloves	**26.38**

Planting Media

Pre-colonized with beneficial bacteria. All inert ingredients. No fertilizer, compost, peat or pesticides. 100% natural mineral, kiln fired.

Featured: Ideal when potting aquatic plants, retains oxygen, enormous surface area perfect to colonize beneficial nitrifying bacteria, allows mixing any ratio of loam to planting media, non-toxic to plants, will not break down, float or cloud pond water, safe for all fish and aquatic life.

Ecological Laboratories INC.

PRODUCT	DESCRIPTION	LIST
EL-MLCAPM10	10 lbs Planting Media	**17.94 ea**
EL-MLCAPM20	20 lbs Planting Media	**27.54 ea**

Aquatic Plant Containers

Aquatic Plant Display Containers

These containers are great for display of water lilies and can also be used for medicating fish. Round black containers can sit above ground without support and nest for off-season.

PRODUCT	DESCRIPTION	LIST
LER-45-RAQ	45 gal. / 29" X 17 1/2"	**71.89 ea**
HSR-035X012LER	50 gal. / 36" X 12"	**92.75 ea**
HSR-036X018LER	65 gal. / 35" X 18"	**112.88 ea**
HSR-042X026LER	150 gal. / 42" X 26 1/4"	**252.00 ea**

Planting Containers

Planting containers are made of black HDPE. They are UV stabilized and non-toxic. These wide, round pots help to eliminate tip-over in the pond and the no-holes construction reduces the amount of soil sifting out of the pot. Some models have handles to allow for easy lifting of potted plants.

PRODUCT	DESCRIPTION	LIST
POT-065X065-S	Sleeve of 50 for 1 gal. Pot	**26.00 ea**
POT-080X050-S	Sleeve of 60 for 8x5 Mum Pot	**61.58 ea**
POT-109X076-S	Sleeve of 25 for 2.5 gal. Pot	**63.78 ea**
POT-23X10	23" x 10" Lotus Pot	**28.56 ea**
LER-BP167CS15	4 1/2 Gal Pot - Case Quantity 15	**107.37 ea**
LER-B20-SAQ	20 gal. Pot, 23 X 13 Squat	**18.85 ea**

Square Baskets

PRODUCT	DESCRIPTION	LIST
BASKET-050X4SQ	5" x 5" x 4"	**2.04 ea**
BASKET-080X4SQ	8" x 8" x 4"	**3.26 ea**
BASKET-095SQ	9.5" x 9.5" x 6"	**4.05 ea**
BASKET-115SQ	11.5" x 11.5" x 8"	**7.22 ea**
BASKET-160X11S	16" x 16" x 11"	**16.92 ea**

Round Baskets

PRODUCT	DESCRIPTION	LIST
BASKET-055R	5.5" dia. x 4"	**2.04 ea**
BASKET-060R	6.5" dia. x 5"	**2.30 ea**
BASKET-090R	9" dia. x 5"	**3.68 ea**

Kidney Shaped Baskets

PRODUCT	DESCRIPTION	LIST
BASKET-KIDNEY	16" x 9.5" x 6"	**5.67 ea**

Hex Shaped Baskets

PRODUCT	DESCRIPTION	LIST
BASKET-7HEX	7" x 6" Hexigonal	**2.52 ea**

Islandscapes

Islandscapes are living, floating gardens for ponds and waterways. Islandscapes provide beauty, habitat and water quality for your pond. They look just like natural islands but are much easier to install. Contains Islandscapes soil blend, tether ring for anchor, and step by step planting guide.

PRODUCTS	DESCRIPTION	LIST PRICE
FREE-IP050	Islandscape 19" x 28"	116.94 ea
FREE-IP100	Islandscape 22" x 32"	220.94 ea
FREE-IP200	Islandscape 31" x 40"	376.94 ea
FREE-IP300	Islandscape 37" x 56"	594.00 ea
FREE-IP400	Islandscape 47" x 56"	779.94 ea

Thermometers

Floating and Sinking Thermometers

PRODUCT	DESCRIPTION	LIST
NYCON-T-1	Sinking With String	15.46 ea
NYCON-T-2	Floating	17.98 ea
T-16573	Tetra Pond Feeding Thermometer	7.56 ea

T-1 & T-2   T-16573

Pest and Predator Control

Biological Mosquito Control

Quick and long-term mosquito larvae killer combo. Mosquito Dunks are a floating biological mosquito larvicide effective for 30 days or longer. Use in all types of standing water, ponds, water gardens, birdbaths, flower pots, gutters, etc. Use one Dunk Per 100-sq. ft. of surface area. The Bits will have a quick kill within 24 hours. Active ingredient: Bacillus thuringiensis var. israelensis.

Mosquito Dunks

PRODUCT	DESCRIPTION	LIST
DUNKS-02-CARD	2 dunks / card	10.20
DUNKS-06-CARD	6 dunks / card	17.40
DUNKS-20-CARD	20 dunks / card	33.72

Mosquito Bits

PRODUCT	DESCRIPTION	LIST
DUNK-BITS-005	8 oz.	15.46
DUNK-BITS-022	2 lbs. 4 oz. jar	22.06
DUNK-BITS-200	20 lb. Pail (treats 80,000-sq. ft.)	192.08

Mosquito Dunks & Bits Combo

PRODUC	DESCRIPTION	LIST
DUNKS-COMBO-1	Two DUNKS & One 8oz. DUNK BITS	24.58

Heron Guard

The most commonly used remedy to deter the natural predator of pond fish. This large, life-like heron helps protect fish from predators. Ground stake is 7 1/2" wide x 30" high x 9" long.

PRODUCT	DESCRIPTION	LIST
HERON-2	Heron Guard Decoy	64.78

Water Garden Access.

Water Garden & Plant Accessories

Scarecrow - Motion Activated Sprinkler

Patented motion activated sprinkler. When it sees an intruder it automatically releases full garden hose water pressure towards the trespasser. •   Super high sensitivity detects animals as small as squirrels. • Water conservation design - uses approx. 2 cups of water per activation •Daylight sensor automatically reduces sensitivity during the day to reduce false triggering • Low energy circuits run for months and 'fires' 1000's of times using two 9-volt batteries • Adjustable water spray (arcs and distance) - 35' HORIZONTAL X 105°

PRODUCT	DESCRIPTION	LIST
SCARECROW-1	Scarecrow Predator Chaser	107.98

Nycon Koi Kastle

The Koi Kastle provides a place for fish to hide. Protects fish from predators and provides much needed shade on sunny days. Molded black plastic or mesh cover.

PRODUCT	SIZE	LIST
NYCON-KK-01	9" x 18" Mesh Type	55.10
NYCON-KK-02	12" X 24" Mesh Type	66.20
NYCON-KK-03	21.5"L x 12"W x 9"H Plastic	66.20

Coastal Pond Fish Net & Net Pond Covers

PRODUCT	DESCRIPTION	LIST
NET-14FTX200FT	1/2 X 1/2"; 14' X 200' ROLL	176.00
NET-14FTXLINFT	1/2 X 1/2"; 14' X LIN FT.	1.09 PER LIN FT.
NET-08X06X36	POND NET 8 X 6 W/36" ALUM. HANDLE	11.99
NET-POND07X10	POND NETTING 7' X 10'	6.98
NET-POND14X14	POND NETTING 14' X 14'	14.78
NET-POND28X28	POND NETTING 28' X 28'	57.34

Atlantic Pond & Garden Protector

Atlantic's new Pond and Garden Protector provides year round protection from predators for your pond or garden. Protects fish from heron and other predators. Domed design covers tall plants without causing damage. Keeps falling leaves off the net for easy cleanup. Allows for sunlight and optimum plant ventilation. Helps prevent algae growth by reducing organic debris. Easy to assemble and remove

PRODUCT	SIZE	LIST
ATL-PGPSM	7' x 9' Kit	111.43
ATL-PGPLG	9' x 12' Kit	129.80
ATL-PN1015	10' x 15' Ultra Pond - Net Only	28.57
ATL-PN1520	15' x 20' Ultra Pond - Net Only	42.86
ATL-PN2020	20' x 20' Ultra Pond - Net Only	54.29
ATL-PN2030	20' x 30' Ultra Pond - Net Only	72.80

Kit includes 12 Stakes

Nycon Economy Pond Net w/ Telescoping Handle

Light weight net designed for handling small fish or pond debris.

PRODUCT	SIZE	HANDLE	LIST
NYCON-C-01	15" x 14" x 12" Deep Black Mesh Bag	45" - 68"	57.30
NYCON-C-03	15" x 14" x 12" Deep Black Mesh Bag		66.20

Nycon Pond Nets

Designed for handling small fish in large aquariums or small ponds.

Black Poly Net

PRODUCT	SIZE	HANDLE	LIST
NYCON-A-09	12" x 8" x 8"	12"	30.92
NYCON-A11	12" x 8" x 8"	18"	33.28
NYCON-A12	12" x 8" x 8"	36"	35.30

White Poly Net

PRODUCT	SIZE	HANDLE	LIST
NYCON-A13	10" x 8" x 8"	18"	33.28
NYCON-A14	10" x 8" x 8"	36"	35.30

Nycon Kwik-Kleen Skimmer Nets

Designed for Fountains / Swimming Pools / Ponds

White Debris Net

PRODUCT	SIZE	HANDLE	LIST
NYCON-K-01	14.5" x 10" x 4"	36"	34.00
NYCON-K-02	16" x 12" x 4"	46"	40.10
NYCON-K-03	16" x 12" x 4"	Telescoping 4' - 8'	74.42
NYCON-K-04	10" x 9"	36"	20.76
NYCON-K-05	10" x 9"	48"	24.80

Extra Fine Black Mesh Bag

PRODUCT	SIZE	HANDLE	LIST
NYCON-KF01	14.5" x 10" x 4"	36"	29.64
NYCON-KF02	16" x 12" x 4"	46"	33.41
NYCON-KF03	16" x 12" x 4"	Telescoping 4' - 8'	63.57

Loki Nets

Loki Extreme Pond Contractor's Net Set

The four-piece set includes a 6-foot yellow fiberglass handle and three interchangeable nets: the shallow 18" Pro Koi net, the 16" x 16'"x 3" Pond Utility net and the 12" x 15" x 3" Triangle Skimmer net. Nets feature Monorail bows designed to scrape over rough gravel and rock bottoms without damaging the knotless, nylon netting.

NEW for 2010

PRODUCT	Size	HANDLE	LIST
LOKI-WG-XPCS-6	18" 16" x 16'"x 3" 12" x 15" x 3"	6'	141.30

Loki Koi & Fish Nets

Pro pond nets with soft black 1/4" ACE mesh. For easy koi handling all nets are 3" deep. The monorail hoop system prevents net abrasion from sharp surfaces.

PRODUCT	SIZE	HANDLE	LIST
LOKI-PK22-6	20" Dia.	6'	65.40
LOKI-PK30-6	30" Dia.	9'	115.74

Loki Tangle-less Fish / Utility Nets

Net is rubber coated to help prevent tangling. Features a shallow bottom that allows fish to lie flat for easier handling.

PRODUCT	SIZE	HANDLE	LIST
LOKI-TLBD1-6	16" x 16" x 4"	6'	54.94

"You rang?"
Fifi surveys the scene.
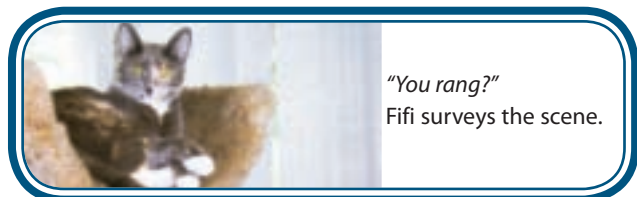
Loki Super Sock Net

Helps you catch sick fish. Net has open bottom.
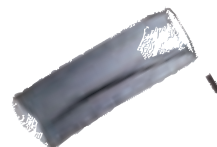
PRODUCT	SIZE	HANDLE	LIST
LOKI-SOCK11	11" Dia. x 42" D	9"	61.00

Loki Water Garden Cleaning Nets

Features flat bottom and flat front bows for easy maneuvering in pond corners.

PRODUCT	SIZE	HANDLE	LIST
LOKI-WG-BD-1-6	16" x 16" x 7" D	6'	46.68
LOKI-WG-BD-3-4	12" x 13" x 7" D	4'	37.88

Loki Aquarium Nets

Fine mesh nets.

PRODUCT	SIZE	HANDLE	LIST
LOKI-BD6	6" x 8" x 7"	12"	11.48

Bird Food & Feeders

Bird Food

Coles Hot Meats

What is the number one complaint about feeding wild birds? The Squirrels! top quality Sunflower Meats and infused them with an exclusive Habanero chili pepper and Safflower oil that birds love, but squirrels hate.

PRODUCT	SIZE	CASE	LIST
COLEHM05	5 lbs	6/Box	**121.98 cs**

Coles Blue Ribbon Blend

If you only want to use one feed and attract the greatest variety of wild birds, then it's Blue Ribbon Blend™ all the way. A traditional mix done right, we guarantee you'll get the best combination of perch and ground feeding birds with this one.

PRODUCT	SIZE	CASE	LIST
COLEBR05	5 lbs	6/Box	**63.36 cs**

Coles Cajun Cardinal Blend

Even wild birds like a little Cajun spice now and then, so we've combined the squirrel-chasing chilies of Cole's Hot Meats with Safflower (a favorite of cardinals) to create a sure fire winner for all your chickadees, titmice, woodpeckers, bluebirds, and of course – cardinals

PRODUCT	SIZE	CASE	LIST
COLECB05	5 lbs	6/Box	**109.86 cs**

Coles Nutberry Suet Blend

Nutberry Suet Blend™ combines all of nature's best in one delicious blend. Attract fruit and insect loving songbirds to your feeder with this unique mix of premium fruits, preferred nuts, nutritious insect suet kibbles, and whole kernel sunflower meats.

PRODUCT	SIZE	CASE	LIST
COLENB05	5 lbs	6/Box	**109.36 cs**

Coles Special Feeder

Special Feeder™ has all of the good stuff. This unique mix is a high-energy treat for many birds. It's our most popular blend because it attracts the greatest number of wild birds than any other mix out there. Plus woodpeckers absolutely love the pecans!

PRODUCT	SIZE	CASE	LIST
COLESF05	5 lbs	6/Box	**71.50 cs**

Coles Oil Sunflower

Cole's Oil Sunflower is the absolute highest-grade black oil sunflower out there. It's over 99% pure and cleaned four times to ensure that you get more seed and fewer sticks. Plus it's positively chock full of oil. You want as much oil in your sunflower as you can get because that's what attracts the birds.

PRODUCT	SIZE	CASE	LIST
COLEOS08	8 lbs	4/Box	**56.08 cs**

Berry Treat Suet

Rendered beef suet, millet, artificial berry flavoring, oats and corn. Treats will become soft and pliable at 100 degrees if exposed to extreme heat. They will return to normal hardness at room temperature. Our quality allows suet to be fed YEAR ROUND.

PRODUCT	SIZE	CASE	LIST
CS12527	11.75 oz	12/Box	**30.96 cs**

Bird Feeders

Seed Tube Feeder, green metal top, base & ports

PRODUCT	CASE	LIST
AUDNATUBE02-4	4/Case	**157.90 cs**

Hang, Pole Mount or Ground Platform Feeder

PRODUCT	CASE	LIST
AUDNAPLAT2-4	4/Case	**184.68 cs**

Seed Tube Feeder ABS Plast. 4 Port Apple Color

PRODUCT	CASE	LIST
AUDNATUBE08-6	4/Case	**157.90 cs**

Classic Hummingbird Feeder

PRODUCT	CASE	LIST
AUDNAH1	6/Case	**127.90 cs**

Formulas

Waterfall Volume Estimating

If the water depth at the weir edge is 1/2 inch, then the flow is approximately 25 gal/min per foot of width.
Example: You need a 3/4" deep flow over the 30-inch wide weir. 25 gal/min x 1-1/2 (for 3/4") x 2-1/2 (for 30 inch width) = 94 gal/min.

Area

Rectangle/Square: multiply the length of one side by the length of an adjoining side.
Circle: multiply the radius (distance from the center to the edge) by itself and then by 3.1416
Ellipse (oval): multiply the distance from the center to the nearest side by the distance from the center to the furthest side, and multiply that by 3.1416.

Volume

Calculate the area (above) and multiply by the average depth.
If all numbers are in feet, then the result will be cubic feet.
Multiply that by 7.4805 for the number of gallons.

Flow From A Pipe

To estimate the approximate volume of water flowing from a vertical round pipe:
Gal/min = multiply the square root of the height of the water above the end of the pipe by .9 by the actual inside diameter of the pipe (= diameter squared) by 5.7.

To estimate the approximate volume of water flowing through a pipe:
Gal/min = 0.0408 multiplied by the actual inside diameter of pipe in inches multiplied by the actual inside diameter of pipe in inches (diameter squared) multiplied by feet/min of water velocity. Note: it is recommended that the velocity never exceed 300 feet/minute (5 feet/second).

Pump Horsepower To Raise Water

NOTE: This applies to larger pumps only.
Horsepower = gallons per minute multiplied by total head in feet divided by 3960

Water

1 gallon of water = 8.33 lbs. = 231 cubic inches
1 lb. of water = 27.7 cubic inches
1 cubic foot of water = 7.4805 gallons = 62.4 lbs.

Operating Costs

Calculate: gal/min multiplied by head in feet multiplied by $/kilowatt-hour multiplied by 0.746. Divide that by the result of: % pump efficiency multiplied by % motor efficiency multiplied by 3960.

Coastal Pond Supply & Coastal Fountain Supply

Design Data

Pond Help

1. **QUICK PIPE SIZING GUIDE** for pressure flows with appr. 3.0m/0.3bar/10'/3.34kpa pressure drop per 30m / 100 feet of pipe.

PIPE SIZE:	1"	1 1/4"	1 1/2"	2"	3"	4"	6"	8"	10"	12"
FLOW/USGPM:	9	19	28	52	200	380	880	1600	2400	3500
FLOW/L/min:	34	72	106	197	757	1438	3330	6056	9084	13247

DO NOT USE PRESSURE FLOW TABLES FOR GRAVITY (RETURN) FLOWS, use sewer flow tables!

2. **QUICK SIZING GUIDE FOR PERFORATED SUCTION STRAINERS** WITH 40%+ OPEN AREAS
Opening size to be appr. 50% of nozzle orifices.

SCREEN OPENINGS:	1mm	1.5mm	2mm	3mm	4mm	6mm	10mm
FLOW \L/min per m2:	220	380	530	740	950	1200	30000
SCREEN OPENINGS:	0.063"	0.125"	0.250"	0.375"	0.500"	0.750"	
FLOW\USGPM per square foot:	12	17	25	50	100	270	

3. **ANTI VORTEX COVERS** OVER PUMP SUCTION FITTINGS
Required in most installations to prevent entry fair into system by vortexing. Size depends on water depth and flow.

4. **NPSHA:** (NET POSITIVE SUCTION HEAD AVAILABLE):
Term describing the depth of water over the pump suction required to permit pump to perform as advertised, the pump supplier usually furnishes this information, which is essential during design/engineering of a pump system.

5. **SURGE/SPLASH COLLAR:** Structural part of a pool or device that encloses the falling water of a spray effect to prevent content of pool to surge and cause spray effect to jump especially in circular or square pool.

6. **BALANCED OVERFLOW:** An overflow that is sized to remove the greatest possible inflow into a pool before the pool overflows, usually sizing is done to draw off the full flow of water supply into a pool (2 x #1 on this page). Sizing of overflow is done by establishing linear weir length of overflow device (multiply pipe diameter x 3.14) and possible head of water before pool overflow can occur, then check waterfall data below for flow rates. For very large pool and / or inflows consider an appropriate length overflow weir in front of a suitable size drain in the pool floor. In multi level pools or cascades the overflow to be sized for the entire water surface area and set above non operating water level into base pool.

7. **TO ESTIMATE APPR. 60 Hz PUMP HP / KW FOR A KNOWN PERFORMANCE:**
(Flow in USGPM X MC (total, in feet head)) DIVIDE BY: 2970 or (3960 x 75% of known Efficiency): HP, x 1.34 : KW
TO ESTIMATE APPR. 50 Hz PUMP HP / KW FOR A KNOWN PERFORMANCE:
(Flow in L/min X MC (total, in meter head) DIVIDE BY: 2970 or (3960 x 75% of known Efficiency): HP, x 1.34 : KW
(Final engineering calculations might differ from above, as other factors and/or variations are to be considered.)

8. **APPROXIMATE COSTS OF OPERATING A PUMP:** Based upon the hourly operating costs of an electrical motor:
MULTIPLY KNOWN KWH COSTS X FACTORS SHOWN:

1 PHASE HP:	1/3	1/2	3/4	1	2	3	5	
KW:				1.34	2.68	4.02	6.70	
FACTOR:	.408	.535	.760	1.0	2.0	2.95	4.65	
3 PHASE HP:	1	3	5	10	20	30	50	100
KW:	1.34	4.02	6.7	13.4	26.8	40.2	67.5	135
FACTOR:	.96	2.7	4.5	9.0	16.9	25.0	41.3	81.5

9. **PERFORMANCE DIFFERENCES BETWEEN 50 Hertz & 60 Hertz (Cycles) ELECTRICAL MOTORS:**
Pumps with 50 Hz motors have an appr. 19% lower performance than with 60 Hz motors.
Pumps with 60 Hz motors have an appr. 16% higher performance than with 50 Hz motors.

10. **CONVERSION DATA:**

FLOW:
1L/min (LPM):	.264 USGPM \ .220 IGPM
1 USGPM (G):	3.785 L/min \ 0.833 IGPM
1 IGPM:	4.546 L/min \ 1.2 UGSPM
1 L/sec.:	15.85 USGPM \ 13.2 IGPM
1m3/min:	264.2 USGPM\220.08 IGPM

PRESSURE:
1m/head (MC):	0,1 bar/9.82kpa/3.28'head/1.422PSI
1'head (FT):	0.305m/2.99kpa/0.0305bar/0.433PSI

DISTANCE/HEIGHT/DEPTH: **TORQUE:** (Tightening of facering bolts of light fixtures)
1 Meter:	39.37 Inches (") / 3.28083 Feet (')
1 Inch ("):	25.4 mm
1 Foot ('):	30.4801cm

AREA:
1 m2:	10.76 Square Feet (sq ft)
1 sq ft:	0.0929 m2

WEIGHTS OF WATER:
1 Kg or 1 Liter	: 2.207 lbs
1m3	: 1000 kg / 2203 lbs
1 cbft	: 62.4 2 lbs / 28.28 kg
1 US Gallon	: 3.785 kg \ 8.36 lbs

VOLUMES OF WATER: (M3: Cubic meter)
1M3	: 1000 Liter/35.31 cbft
1 cubic foot	: 28.316 Liter/7.4805 US Gallons
1 Liter	: 0.001 M3/0.353cbft

1 (Newton Meter) NM	: 8.85 Inch Lbs
1 (inch pound)" lbs	: 0.12 NM

LUMINANCE OF ILLUMINATION:
1CP, Candle Power per square foot : 10.764 CP/m2
1 CP, Candle Power per square inch : 1550.0 CP/m2
1 LM, Lumen per square foot : 10.763 LM/m2

11. **BACK THRUST OF JET:** (Using a pilot tube to measure nozzle pressure)
CLEARSTREAM JETS: Multiply nozzle orifice area X Exhaust (Nozzle) Pressure
AERATED JETS: Multiply (Center line only) internal exhaust jet orifice area X exhaust pressure.
WATER SCREEN JET 1854: 100 mm2 X Exhaust pressure

12. **WATERFALLS** ('A': Height of water overflowing over weir)
Suggested flow volumes per linear meter of waterfall, waterwall or overflow.

A'	L/min	Suggested maximum free fall height
7mm	150	1.0m
10mm	250	1.2m
15mm	380	1.5m
20mm	510	1.8m
30mm	690	2.4m
40mm	1100	3.0m
50mm	1500	3.5m

The longer the overflow weir, the great **'A'** shall be to overcome minute elevation differences in the weir. For noise and splash reduction of waterfalls have water fall into center of a foam bed generated by a movable double row of PEM 64 Foam Jets. For multi level pools, storage cubic area must be provided into the base pool to store all of the run off of the upper level pools before it overflows. Run off happens when the circulating pump is shut off!

100   Online: www.coastalpond.com   •   Atlanta: 770-496-5740   •   Toll Free: 1-800-782-6179

Carrying Capacity and Friction Loss for Schedule 40 Thermoplastic
Friction head feet is the friction backpressure expressed as feet of head per 100 feet of pipe.

Gallons per minute	Friction Head Feet 1/2 in.	Friction Head Feet 3/4 in.	Friction Head Feet 1 in.	Friction Head Feet 1 1/4 in.	Friction Head Feet 1 1/2 in.	Friction Head Feet 2 in.	Friction Head Feet 2 1/2in.	Friction Head Feet 3 in.
1	2.08	0.51						
2	4.16	1.02	0.55	0.14	0.07			
5	23.44	5.73	1.72	0.44	0.22	0.066	0.038	0.015
7	43.06	10.52	3.17	0.81	0.38	0.11	0.051	0.021
10	82.02	20.04	6.02	1.55	0.72	0.21	0.09	0.03
15	**4 in.**	42.46	12.77	3.28	1.53	0.45	0.19	0.07
25	0.03	72.34	21.75	5.59	2.61	0.76	0.32	0.11
25	0.04	**5 in.**	32.88	8.45	3.95	1.15	0.49	0.17
30	0.06	0.02	46.08	11.85	5.53	1.62	0.68	0.23
35	0.08	0.03		15.76	7.36	2.15	0.91	0.31
40	0.11	0.03	**6 in.**	20.18	9.43	2.75	1.16	0.40
45	0.13	0.04	0.02	25.10	11.73	3.43	1.44	0.50
50	0.16	0.05	0.03	30.51	14.25	4.16	1.75	0.60
60	0.22	0.07	0.04		19.98	5.84	2.46	0.85
70	0.30	0.10	0.05			7.76	3.27	1.13
75	0.34	0.11	0.05			8.82	3.71	1.28
80	0.38	0.13	0.06	**8 in.**		9.94	4.19	1.44
90	0.47	0.16	0.08			12.37	5.21	1.80
100	0.58	0.19	0.12	0.03		15.03	6.33	2.18
125	0.88	0.29	0.16	0.035	**10 in.**		9.58	2.31
150	1.22	0.40	0.22	0.04			13.41	4.63
175	1.63	0.54	0.28	0.055				6.16
200	2.08	0.69	0.43	0.07	0.027	**12 in.**		7.88
250	3.15	1.05	0.60	0.11	0.035			11.83
300	4.41	1.46	0.79	0.16	0.05			
350	5.87	1.95	1.01	0.21	0.065	0.027		
400	7.52	2.49	1.26	0.27	0.09	0.04		
450		3.09	1.53	0.33	0.11	0.05		
500		3.76	3.25	0.40	0.13	0.06		
750			5.54	0.85	0.28	0.12		
1000				1.45	0.48	0.20		
1250				2.20	0.73	0.31		
1500				3.07	1.01	0.43		
2000					1.72	0.73		
2500					2.61	1.11		
3000						1.55		
3500						2.07		
4000						2.66		

Friction Loss In Fittings Chart
Expressed in equivalent length of straight pipe, feet.

Size	1/2 in.	3/4 in.	1 in.	1 1/4 in.	1 1/2 in.	2 in.	3 in.	4 in.
Gate Valve (Full Open)	0.6	0.7	0.9	1.2	1.3	1.6	2.0	2.7
Elbow, 90º	3.6	4.5	5.3	6.7	7.5	8.6	11.1	13.1
Elbow, 45º	0.7	0.9	1.4	1.8	2.2	2.8	4.1	5.6
Tee (Straight Thru)	1.8	2.5	3.3	4.7	5.7	7.8	12.1	17.1
Tee (Thru Side)	4.3	5.4	6.7	8.8	10.0	12.1	17.1	21.2
Swing Check Valve	8.1	8.9	11.2	13.1	15.2	19.1	27.1	38.2

The first physical part of building it, is digging the hole, making sure that the top edge is absolutely level. We recommend the use of a length of clear tubing filled with colored water to assure a perfectly level edge. It is critical that the surrounding edge is absolutely level - so that the liner will not show.
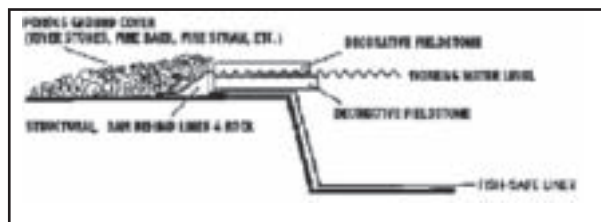
The hole should have steep sides, with no plant shelf, and a flat bottom. It also has to be constructed out of materials that will not harm the liner. If the soil is clay, smoothing it while wet will produce a pottery bowl that is ideal. Merely chop any roots well back and cover with wet clay. If the soil contains sharp rocks, use a non-biodegradable underlayment.

Once the hole is properly prepared, the liner is carefully positioned and is filled with water. It is an excellent idea to measure the water as it fills and make a permanent record as to how many gallons fills it to how high. This allows you to determine how many gallons are in the pond at specific levels for medication purposes, etc. As the pond fills, carefully fold the liner on the sides for a neat appearance. You can then drain the pond down far enough to secure the overlap behind the liner with the proper tape to make almost invisible folds.

To decorate the edge, we recommend that you use very clean thin field stones. The first layer, the larger ones, should overhang the pond by an inch or two; and, the top layer, the smaller ones, should cover the spaces between the first layer's stones. Be sure to line up the back edges of the two layers. Then lift the edge of the liner up and create a structural dam behind it - against, and about 2/3rd the height of the two layers of rocks.

This berm is to keep surface water running across the ground from entering the pond, and should be made of a hard durable material - fiber reinforced concrete is ideal. The liner edge is then flipped over the berm and the area over it, and the outside of the pond is covered with a porous ground cover such as pine bark, pine straw, or river pebbles. Your ground cover should wind up snug against the back of the field stones and level with them. Fill to overflowing.

The result of this design is that you will have a pond to be proud of. It will appear to be flush with the surrounding ground, not looking like a pile of rocks, and the water is just barely below the top of the rocks. The water is actually well above ground level.

• RULE #1: THE POND EDGE MUST BE LEVEL.
• RULE #2: NEVER, EVER, WALK ON THE LINER – WITH SHOES ON

A GOOD POND IS ONE THAT IS PROPERLY BALANCED,
IS LOW MAINTENANCE, AND IS A JOY…. NOT A HASSLE.

Selecting a Waterfall Pump

Determine how much water is required to make a specific waterfall look good to you. Before you go running out to buy "a pump", you need to know what kind, size, etc., of pump is required. A good rule of thumb is a 1/2" of water flowing over a smooth level waterfall edge (weir), one foot wide is 25 GPM. Add or subtract inches and GPM as to the actual size of the waterfall edge.

You also need to know the vertical height from the surface of the water in the pond to the top of the waterfall - "how much higher are we lifting the water". Once you know the gallons per minute and the vertical height that you'll be lifting it, you can select the correct pump.

The pump must be able to deliver the determined GPM at the vertical height required. Remember that aluminum pump casings will corrode in ponds containing fish.

You will also need to use big enough tubing / hose / pipe to carry the specified amount of water. The maximum recommended flows for hose, tubing and PVC pipes are as follows:

1/2 in.	2 gpm (120gph)
3/4 in.	5 gpm (300gph)
1 in.	10 gpm (600gph)
1-1/4 in.	23 gpm (1380gph)
1-1/2 in.	33 gpm (2000gph)
2 in.	50 gpm (3000gph)
3 in.	125 gpm (7500gph)

When in doubt, use a size that is too large, never too small. Excessive water flow can always be valved.

The National Electric Code specifies that the outlets should usually be over four feet from the pond and covered with a weatherproof enclosure (weather-proof enclosure). Verify the length of cord needed for your pump to be plugged in, without any extension cords, while placed farthest from the waterfall (for cross circulation). Make sure that the electrical circuit used is protected by a GFCI (Ground Fault Circuit Interrupter) - either a GFCI breaker in the breaker panel or a GFCI receptacle. They have a "PUSH TO TEST" button on them and protect you, your friends and your pets, from possible dangerous shocks.

Coastal Pond Supply & Coastal Fountain Supply

Index

COASTAL POND SUPPLY
COASTAL FOUNTAIN SUPPLY

Toll Free: 1-800-782-6179 • Atlanta: 770-496-5740

Online: www.coastalpond.com