Aquarium Life Support Systems

www.aqualifesupport.com
865-588-0108

- we help you make money - we offer consistently low prices across the board every day
- we sell wholesale only
- 20-30% off every day
- free drop shipments
- free websites - expand your inventory & sales staff without costly overhead. Call today!
- our friendly service & dealer support have been the watchwords of our business since 1986
- we manufacture the best trickle filter in the industry
- we understand the meaning of value
- For complete listing see our web site at http://aqualifesupport.com

Aquarium Life Support Systems
ES-Seriss Filter

AquaLife Complete Water Conditioner

Dealer Support Edition 'BEST IN CLASS' products that protect your margins and your customer's pets
The P1000, P1000S, and P1200

Rich with features and designed for use with submersible pumps such as the Sicce Syncra Silent. For heavily loaded systems or for just increasing the filtration capacity of the filter, a second sponge can be added giving the unit an unmatched dual sponge post filter configuration. With easy hook up and installation, this filter is unrivaled in quality and superior performance at an economical price from a company you can count on. Make no compromises. Buy the best. Packages available with Syncra Silent pumps, siphon boxes, and skimmers.

- Anti-clog pre-filter drip plate with safety overflow and media supported above holes can hold chemical media and is easy to change
- Cast acrylic with the superior design
- Carbon wall support rails built in
- Sponge partition wall for dual sponge configuration
- Water Level Indicator
- AquaLife Bio Ball media
- Low sump height for easy cleaning & maintenance
- Lifetime warranty

P1000 24" x 9.5" x 14" 350-800gph Up to 100 gallons 1" Inlet can be modified to 1-1/4"
P1000S 20" x 9.5" x 14" 350-800gph Up to 100 gallons 1" Inlet can be modified to 1-1/4"
P1200 24" x 10.5" x 16" 500-1000gph Up to 120 gallons 1" Inlet can be modified to 1-1/4"

Packages available with all pumps, skimmers, and hookups.

The RS1500 with Refugium

The RS1500 is the perfect filter for systems up to 150 gallons saltwater. Added sump length will handle large water volumes and house larger skimmers. All the features of our larger units. Designed for use with submersible pumps. Includes the best designed sock filter - water is filtered with less expensive padding prior to socks. Ample room for chemical media. The best sock filter design on the market.

Built in refugium, at the end of the filter. Refugium can be turned off for tank treatment or to add more mud. Placing the refugium at the end and feeding it like a reactor reduces sump capacity loss seen in units with the mud filter/refugium in the center.

- Pre-filter drip plate with safety overflow
- Sponge partition wall for dual sponge configuration or carbon
- Water Level Indicator
- Lifetime warranty

31-1/2" x 10-1/2" x 16"

The P1500

The P1500, shown with media, has the same great features as the P1200 filter and boasts a handling capacity of 150 gallons saltwater. Added sump length handles large water volumes and has ample space for larger skimmers and chemical reactors.

P1500 31-1/2" x 10-1/2" x 16" up to 1200gph

www.aqualifesupport.com
865-588-0108
**The UP1700**

The UP1700 has been our best-selling trickle filter for years, and, like all our filtration products, the UP1700 is backed by quality, customer support, and an established and trusted name in the industry. The ivory white acrylic construction minimizes water spots while its low profile sump makes it the easiest filter on the market to maintain. Recommended for use on aquariums up to 170 gallons. The UP1700 has room for a heater and additional media such as ChemiPure® or PolyFilter®. All plumbing for set up is included. See where these are the best filters in the industry.

The unique pre-filter over the drip plate is suspended above the drain holes to prevent clogging. The drip plate has a safety overflow port and is deep enough for chemical media, in addition to the proprietary pre-filter pads supplied. The white Sintra® lid over the drip plate helps silence the unit. Clear acrylic lids are optional. Model G Chemical Reactor and pump included. Unique packages include Sicce Syncra Silent pumps and everything needed for hookup. Dual 1” inlets

Media capacity: 8.5+ gallons. Flow Rates: 700-1500gph

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**The UP2000**

The UP2000 offers the advanced features every high tech enthusiast needs while providing room for expansion. The large sump area easily accommodates reactors and skimmers. This unit’s beautiful black design fosters beneficial bacteria to maximum efficiency in the bio tower. Perfect for up to 225-gallon systems, this incredible unit offers dual inlets for adding a second siphon box or overflow. With a list of standard features that rivals any other filter on the market, the UP2000 with great looks, expandability, and top quality construction, leads the pack.

The unique pre-filter over the drip plate is suspended above the drain holes to prevent clogging. The drip plate has a safety overflow port and is deep enough for chemical media, in addition to the proprietary pre-filter pads supplied. The white Sintra® lid over the drip plate helps silence the unit. Model G Chemical Reactor and pump included. Unique packages include Sicce Syncra Silent pumps and everything needed for hookup.

Dimensions: 30-1/2” x 12-1/4” x 18-1/4”

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**The T2000**

The T-2000 and T-3000 filters are designed for large saltwater and freshwater aquarium systems ranging from 200 to 800 gallons. Each model is designed to handle the high demands of larger aquariums and its adaptability proves itself time and time again. Constructed of clear cast material, the T-2000 conforms to the same rigorous standards of all Aquarium Life Support Systems filters.

**Standard Features:**
- Secondary sponge filter
- Removable media tower
- Prefilter drip plate with safety overflow
- Accessible, vented media chamber w/air injection
- Carbon chamber
- Large, accessible, expandable sump
- Lifetime warranty

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**The T3000**

Dimensions: 12” x 4 1/2” x 15 1/4”

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**The UP100 Siphon Box**

- 2 siphons (3 optional)
- Carbon area
- Biological area
- Black inner box
- Leveling screws
- 1.5gal media
- Bonded filter pre-filter
- Leveling screws
- 2 1” Drains standard
- Plug included
- Lid

Add an additional 25-40 gallons to the handling capacity of any of our filters. Room for chemical and biological filtration media. Our high quality ceramic media is ideal in this application. Safety overflow lets water bypass the media should it become clogged. Can handle higher flow rates.

Dimensions: 12” x 4 1/2” x 15 1/4”

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**The UP1700**

**Specs:**
- Dimensions: 31-1/4” x 12-3/8” x 19-1/4”
- AL4650

**Pkg #3**
- w/ Pump & Skimmer #AL2892

**Pkg #2**
- w/ Pump, Siphon Box & Skimmer #AL2891

**Pkg #1**
- w/ Pump & UP100 siphon box #AL2890

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**AquaLife AR-Pro Refugium/Mud Filter**

Added to any filter or sump can help reduce phosphate, nitrate, and lateral line disease. Reduces nitrates and phosphates, improves water quality and fish health. Naturally grows live food for corals and small fish. Polycarbonate lid holds a variety of lighting choices. Many substrate, pump, and lighting options. Designed for any of our filters, but can be used with any trickle filter. A: 15” x 5” x 18-1/4” AL1016
B: 15” x 10-1/4” x 18-1/4” AL1013
C: 10-1/4” x 9-3/4” x 18-1/4” AL1014
D: 23-1/2” x 10-1/4” x 18-1/4” AL1015

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**44 Magnum Skimmer**

700gph intake venturi and comes complete with pump or needle wheel (optional), ex-large collection cup, and hook up parts for advanced reef tanks and heavily loaded fish aquariums up to 300 gallons. Use in any sump or trickle filter with adequate space. This unit is perfect for the UP2000 filter. Drain into the Model G of the UP2000 filter to add chemical filtration and prevent all bubbles from entering the aquarium. The 44V Magnum can be taken apart for cleaning. Its durable white construction prevents algae buildup that occurs in clear skimmers when exposed to light from refugiums. Now with Sicce skimmer pump.

Dimensions: 6” x 24”

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**UP100 Siphon Box**

- Media capacity: 1.5 gallons
- Flow Rate: 500-750gph

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**UP1700**

- Dimensions: 23-1/2” x 10-1/4” x 18-1/4”
- AL1015

**UP1016**

- Dimensions: 15” x 5” x 18-1/4”

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**UP1015**

- Dimensions: 15” x 10-1/4” x 18-1/4”

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**UP1013**

- Dimensions: 10-1/4” x 9-3/4” x 18-1/4”

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**UP1014**

- Dimensions: 23-1/2” x 10-1/4” x 18-1/4”

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**UP2890**

- Dimensions: 44-1/2” x 15-1/2” x 23-1/4” & pipe fittings

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**UP2891**

- Dimensions: 32-1/2” x 15-1/2” x 23 1/4”

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**UP2892**

- Dimensions: 31-1/4” x 12-3/8” x 19-1/4”

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The ES-Series Expandable Filter Sump

Developed around the idea of providing the "best in class" refugium, mud filter, berlin system, sock filter and everything in between, the ES series allows customers the flexibility to design and build a perfect system from the ground up. It allowed Aquarium Life Support Systems to design each individual component to be the best, the most advanced, and the highest quality possible. This prevents customers or us from having to cut corners to try and "build in" every feature into fixed form. This always limits system choices and sacrifices quality. Start with the ES sump and let your needs determine what you want. The ES has a solution for every need and meets all the biological and mechanical issues of any reef, fish, or combination system. Visit our website and pick a sump, pick a method, and add features now or later as needed.

Carbon filter chamber in forward position.
The filter comes standard with a built in spray bar reactor that has a mechanical pre-filter and room for chemical media (pump is included for reactor). In addition, it has a sponge secondary filter, and a removable (reversible) carbon chamber/sponge partition. This unique partition can be reversed for sponge use if chemical media is not required. It can also be placed before or after the center sponge wall. Ample room allows placement of skimmer or multiple reactors before or after sponge. Safety overflows are built in along with a unique drain that puts water from a skimmer or refugium onto the center sponge preventing fine bubble problems in the system. Sock filters, bio- towers, and options available for most models. Drop them in any time. The ultimate sump to build the ultimate system.

- Pick a Filter or Sump
- Choose a Bio tower or Sock Filter
- Add a Protein Skimmer
- Add a Siphon Box
- Add a Refugium or Mud Filter
- Pick a pump
- Add the lighting you need for the tank and/or Refugium

ES-Series Sump Models
- 32-5/8" x 15-1/2" x 14-5/8" AL1007
- 47-5/8" x 15-1/2" x 14-5/8" AL1008
- 60" x 15-1/2" x 14-5/8" AL1009

Special Order Options
- 60" x 15-1/2" x 14-5/8" with custom refugium built in Custom Order
- 47-5/8" x 15-1/2" x 14-5/8" with custom refugium built in Custom Order

R1500RR
The R stands for Refugium and this filter has one built in. The unique design puts the refugium at the end of the filter. This allows the refugium to be turned off if tank treatment is needed, or to add more mud. In addition, by placing the refugium at the end and feeding it like a reactor, it does not take away from the sump capacity like other units with the mud filter/refugium in the middle. Up to 150 gallons.

Dimensions: 131-1/2" x 10-1/2" x 16” AL1004R

MR500
The slim, compact design makes the MR500 not only economical, but space efficient for smaller systems, and in cabinets where space is limited. Though small and efficient, there’s no sacrifice in quality or workmanship here. The MR500 is perfect for 20~60 gallon systems.

Dimensions: 20” x 7.5” x 14” & fittings

R1500RR
The R stands for Refugium and this filter has one built in. The unique design puts the refugium at the end of the filter. This allows the refugium to be turned off if tank treatment is needed, or to add more mud. In addition, by placing the refugium at the end and feeding it like a reactor, it does not take away from the sump capacity like other units with the mud filter/refugium in the middle. Up to 150 gallons.

Dimensions: 131-1/2” x 10-1/2” x 16” AL1004R

PS100 Skimmer/Siphon Box
A great filter and protein skimmer combination for a small saltwater aquarium. Special features of this unit make it completely unique to skimmers in this category. The inner black box surface skims aquarium water, then water is protein skimmed with a large venturi skimmer that has it own venturi pump. Room for most submersible heaters. A separate pump (included). Can be modified for use as a siphon box.

Dimensions: 12” x 4-1/2” x 15-1/4”

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The standard for quality since 1986

NEW!

www.aqualifesupport.com

AquaLife R/O Systems

AquaLife Reverse Osmosis systems use only the highest quality materials and are only available through local dealers.

- A wide range of models and styles are available for the most demanding hobbies. All systems include quick connect fittings, a shut-off valve, and a filter wrench for easy cartridge replacement.
- High efficiency 1-micron sediment pre-filter
- 2-micron chlorine guzzler carbon block - pre-filter or our exclusive chlorine and chloramine-removal filters
- High flow/ high rejection TFC reverse osmosis membrane
- 160 PSI pressure gauge marked with operating and unsafe ranges
- Solid Aluminum “no-rust” metal mounting bracket
- Clear 10” filter cartridge housings

ALSS Filter Bag (Sock) Mount

Great mechanical filtration to remove excess food, detritus, organic waste, dust, and other particulates that produce ammonia. They lower organic levels for cleaner, clearer water. Used in “Berlin” sumps and in advanced designs. They also keep larger objects, such as sand, crabs, snails, etc. from damaging pump motors. Felt Bag w/ 4” plastic ring. Filter bag mount for sumps. Plumb your drain to the 1” PVC fitting on the mount.

100 Micron - AL8501

Filter Socks


4”x14”

100 Micron - AL8500

4”x14” 200 Micron - AL8502

7-1/4”x16-1/2” 200 Micron - AL8503

ES-Pro Sock Dual Filter with Pre-filter Media Tray

The best sock filter design on the market. Water is prefiltered through bonded padding prior to socks. Ample room for chemical media. Use for “Berlin” type systems or to enhance the filtration of any system. Hangs securely on any tank or filter. 2-1” tank adapter drains for use with 1” or 1-1/4 in. drain lines. Room for carbon or other chemical media. Two sock filters included.

AL1010

Patent Pending

Check out our Protein Skimmer selection

Sold Only Through Local Dealers
AquaLife Products

**Bonded Padding**
12” wide padding designed and manufactured to our specifications is free of phenol and formaldehyde. Bonded with a clear and blue coating to increase reliability, and efficiency. Cut to fit filters in width. Great for all types of aquarium and pond filters. Customers love it.

- **AL5148R** 135 feet per roll
- **AL5148** By the ft.

**AquaLife BioBalls Media**
Bioballs media for trickle filters. Extended substrate for beneficial bacteria growth. Ample void space for water flow and contact with bacteria populations for ammonia removal. The trickle effect increases dissolved oxygen levels in the aquarium and filters water.

- **AL6000** Sold by the gallon

**DLS Filter Mesh**
DLS filter mesh is sold by the linear foot. Conforms to nearly any shape. Great for all around bio/pre-filtration. For canister filters, pond intake screens, and trickle filters. High surface area and efficient filtration. Roll is 3’ wide.

- **AL2703** Sold by the linear foot

**Deluxe Cleaning Pad**
A great little sponge for cleaning your tank! Double sided with one side soft for simple wiping of a tank front and the other coarse for scrubbing stubborn algae.

- **AL8470**

**Filter Media Bags**
Made from 1/8” micro mesh with tie string near top of bag. Great for larger pelleted carbon and nitrate removers needed to cleanse and improve water quality. Durable material and tie string make these bags reusable and keep you from having to purchase new media bags every time you add or replace biological media.

- fine mesh, 8” X 12” MDL8531
- fine mesh, 8” X 15” MDL8532
- fine mesh, 8” X 18” MDL8533
- 1/8” mesh, 8” X 12” MDL8528
- 1/8” mesh, 8” X 15” MDL8529
- 1/8” mesh, 8” X 18” MDL8530

- **AL2519** 1/8” mesh, 36” wide per ft
- **AL2518** 1/4” mesh, 36” wide per ft

**AquaLife Bacta-Dip**
External disinfectant dip treatment for the eradication of bacterial infections in ornamental fish. Particularly effective against Aeromonas and Pseudomonas and other antibiotic-resistant species.

- **AL4021** 1/2gal
- **AL4019** 1gal
- **AL4020** 5gal

**AquaLife Phosphate Remover**
Rapidly removes phosphate and silicate. Use 1 cup per 75-100 gallons. Place product in filter bag. Rinse with cold tap water. Product generates heat when wet the first time. Place in maximum flow area. Change media monthly, or as needed. Performs better than competing products. Economical. Safe for reef, freshwater and saltwater. Bead design has superior flow characteristics. Does not release phosphate or silicate back into the water. Great for shop use and refill programs.

- **50lb bag AL600**
- **AL4013** AquaLife Phosphate Remover Treats 250 Gallons
- **AL4014** AquaLife Phosphate Remover .75gal Treats 1600 Gallons

**AquaLife Pelleted Carbon**
Great scientific grade carbon with a pore size of 10 to 2000 Angstroms designed for aquarium use! Perfect for large organic molecule absorption. No phosphates to spur algae growth. Efficient - Great value.

- **AL601** Bulk per pound
- **AL4015** .75gal Treats 1600 gallons

**Aqualife Scientific Grade Carbon**
Bulk per pound. Removes dissolved organic contaminants such as tannins and phenols from marine and freshwater aquariums to make water sparkle. Heat activated bituminous coal will not leach phosphates. This carbon is tremendously efficient - a great value. Rinse well under fresh running tap water. Use 1/4 pound or 1 cup per 100gal. Bulk per pound.

- **AL602** Bulk per pound
- **AL4018** .75gal Treats 1600 gallons

**Aqualife Carbo Phos**
This activated reef formula removes phosphate, silicate, and protein. Great for reefs, plants, fish, ponds, and invertebrates. Keeps fish & invertebrates healthy and active. Absorbs harmful chemicals, organics, and metals and removes odor and colors. Does not restrict flow. Phosphate free. Use 1 cup per 75-100 gallons.

- **AL4016** Treats up to 200 Gallons

**Sponge Replacement for Filters**
Replacement sponge for all Aquarium Life Support Systems trickle filters: 9.5” X 3.25” x 3.25”

- **DP476**

**Pre-filter Sponge Cylinder 2.75” x 5”**
Reticulated white cylinder replacement sponge for Aquarium Life Support Systems siphon boxes.

- **DP6332**

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ACTIVATE is a natural organic cycling formulation designed to accelerate biological filtration. A careful blend of synergistic bacteria cultures, ACTIVATE reduces ammonia and nitrite problems commonly associated with new tanks and improves water quality and fish health. Use ACTIVATE after water changes, when acclimating new fish and after medicating to maintain water quality. When used at the maintenance dose, Activate helps reduce sludge, keeps filters cleaner, reduces nitrate, phosphate and the string and other problems associated with it. Safe for all aquatic animals and plants.

<table>
<thead>
<tr>
<th>Activate Freshwater</th>
<th>Activate Saltwater</th>
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<tbody>
<tr>
<td>AL106   4oz</td>
<td>AL112   8oz</td>
</tr>
<tr>
<td>AL107   8oz</td>
<td>AL113   16oz</td>
</tr>
<tr>
<td>AL108   16oz</td>
<td>AL114   32oz</td>
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<tr>
<td>AL109   32oz</td>
<td>AL115   gallon</td>
</tr>
<tr>
<td>AL111   gallon</td>
<td></td>
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</tbody>
</table>

Finally . . . a breakthrough water conditioner!

AquaLife Water Conditioner

AquaLife Complete Water Conditioner

STILL the best product on the market for relieving stress, removing chlorine, removing ammonia, and for emergency ammonia or nitrite removal. AquaLife Complete has changed everything. Make no compromises, use the ultimate water conditioner available for your pets

It does make a difference.

• Promotes Healing
• Replaces Slime Coat
• Removes Chlorine, Ammonia, and Chloramines
• Detoxifies Nitrite and Heavy Metals
• Adds Essential Electrolytes
• Boosts Alkalinity
• Works Instantly

4oz   AL101 Treats 240 gallons
16oz  AL102 Treats 960 gallons
1 gal  AL103 Treats 7680 gallons
5 gal  AL104 Treats 38400 gallons

AquaLife Nano-Complete

Nano Complete is designed specifically for small nano tanks, betta tanks, and reef tanks. With its dropper applicator, treating small doses is simple. Prior to AquaLife Nano-Complete, no single water conditioner did the best job of relieving stress, removing chlorine, removing ammonia, and could be used for emergency ammonia or nitrite removal. Make no compromises - use the ultimate water conditioner available for your pets. It does make a difference.

1oz   AL110 Treats 60 gallons

for more information on these products, visit

www.aqualifecomplete.com
Syncra Pond Pump
New range of pumps for high energy savings, quiet operation, powerful performance, resistance to harsh conditions, and reliability. Includes fountain and intake filter. Fountain includes: waterbell, waterlily, single daisy, and double daisy fountain heads. 2 year warranty. 5 years with online registration.

- 20ft grounded cord
- Sizes: 185 gph to 1321 gph
- Advanced rotor
- Synchronous motor

Syncra DW Pond Pump
A new range of pumps which ensure high energy savings, quiet operation, ergonomic design, powerful performance, resistance to harsh conditions, and reliability. Syncra DW, with their innovative technology, are versatile with a range of uses. Ideal for waterfalls, ponds, pond surface skimmers, water gardening, and drainage applications. 2 year warranty. 5 years with online registration.

- 20ft grounded cord
- Sizes: 185 gph to 1321 gph

Syncra High Flow Pumps
This exclusive technology, combined with the new electronic engineering of the motor, assures optimized performances while maintaining low power consumption and maximum energy efficiency. The powerful permanent magnet synchronous motors ensure high energy efficiency and reliability for both submerged or external inline applications. Use in water gardens, fresh and salt water tanks, water cooling, above ground swimming pools, drainage, fountains and many other uses.

- save up to 50% of electrical costs
- standard male threaded inlets and outlets
- optimal flow and energy efficiency as head pressure increases.

Master DW Dirty Water Pumps
4 Models from 978-2780gph. Designed for medium to large ponds and to handle particularly dirty water. Ideal for waterfalls and for use with external filters or surface skimmer filters. Can handle up to 8mm waste.

- Patented Anti-Clog System
- Double filtration intake
- 3-year guarantee
- Professional quality rotor
- Ceramic shaft
- Synchronous motor
- 20 ft. Power Cord

Ninpheo 50 Pressurized Pond Filter
Pressurized UV Bio-Filter available with a 50L canister with a great filtration capacity for small as well as very large ponds up 6500 gal.

- efficient 36 watt UVC UV sterilizer for crystal clear pond water
- easy maintenance filter with a sturdy body & outlet for emptying
- UL listed
- 2 year warranty
- Compact design
- Multiple sponges

HALLEY Submersible Pond Light
Compact design. Fits smallest of ponds and fountains, thanks to the High-luminosity dichroic bulb, it maintains high power and luminous beam depth. Halogen spotlight.

- Fully watertight
- CE listed
- High-efficiency bulb
- 3 colored lens set
- 100% submersible
- 12 volt transformer optional
- 360 degree rotating bracket
- X-large mounting base

ECO POND Filters - 4 Models
Great for “difficult” water situations. Keeps the water environment biologically balanced.

- Multiple fountain options included
- UL listed
- 2 year warranty
- 20ft. cord

Green Reset Pressurized Pond Filter
Pressurized UVC bio-filter available in 25L & 40L. Superior filtration capacity for small and large ponds. Use with DW pumps. Maintenance is quick and efficient.

- 3 year warranty
- CE & UL listed
- Flow selector handle
- NEW easy-cleaning handle
- Outlet for emptying
- Multiple sponges
- Compact design

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The next technology is here today.

**MI MOUSE Aquarium Pumps**
Submersible recirculation pump for every type of aquarium, terrarium, internal, or external fountain. Variable flow rate regulator as well as adaptors to connect flexible hoses from 13mm to 20mm.

- SIC100  MI MOUSE 82gph bi polar cord
- SIC122  MI MOUSE 82gph 6ft grounded cord

**Voyager HP High Performance Pumps**
- for marine, reef, and fresh water aquariums
- latest in prop rotor technology
- maximum rotation, angulation and placement options
- adjustable deflector and water capacity regulator
- lowest electrical consumption
- can be alternated off and on rapidly without harm or noise
- exclusive long-lasting, reliable magnetic support up to .787”glass
- coolest running
- 2 year warranty. 5 years with online registration.

- SIC307  Voyager HP 2800gph
- SIC308  Voyager HP 3200gph
- SIC309  Voyager HP 3600gph
- SIC310  Voyager HP 4000gph

**Micron Internal Aquarium Filter**
Internal filter handles aquariums up to 20 gallons. Includes carbon and zeolite filtration. The perfect filter for someone wanting a high quality small form factor unit for aquariums. Compact design without sacrificing quality. Media lasts up to 30 days. 65gph
- SIC160  Micron Internal Aquarium Filter

**Suction Aquarium Pumps**
Submersible recirculation pump for every type of aquarium, terrarium, internal or external fountain. Variable flow rate regulator as well as adaptors to connect flexible hoses from 13mm to 20mm.
- adaptors for flexible tubing

- SIC101  MICRA 90gph bi polar cord
- SIC123  MICRA 90 gph grounded cord
- SIC102  MICRALPLUS 158 gph bi polar cord
- SIC124  MICRALPLUS 158 gph grounded cord

**CO₂ Life Injection System**
NEW - patented - fertilization system which doesn’t require bottles or other external equipment. It works using a carbon cartridge which ensures a continual and consistent release of carbon dioxide by electrolysis and does not create sudden pH changes to the aquarium water. CO₂ Life is available in 2 models: for aquariums from 10-40 gallons and 25-75 gallons.

- CO₂ Life 1 - up to 40 gal. aquariums
- CO₂ Life 2 - up to 75 gal. aquariums

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**Wave Surfer Controller**
- dual outlet pump controller - max 100W per outlet
- safe - with waterproof cable connection
- precise controls, easy to program
- universal - suitable for Voyager & Syncra, “fast timer safe” pumps up to 100W
- automatic night mode-8hr program simulates night currents
- feeding mode - temporary wave program suspension of 4 minutes to feed fish
- SAVE! package kits available - see website

**Syncra SILENT Aquarium Pump**
Syncra Silent, with their innovative technology, is versatile with a range of uses. Ideal for fresh and salt water aquariums, protein skimmers, calcium reactors, indoor & outdoor fountains, water-cooling, and all submersible and inline applications which require high performance and total silence. High energy savings, quiet operation, reliability, powerful performance, and resistance to harsh conditions. 2 year warranty. 5 years with online registration.

- Quiet operation
- From 185 gph to 1221 gph

- SIC103  Syncra 0.5  185gph
- SIC104  Syncra 1.0  251gph
- SIC105  Syncra 1.5  357gph
- SIC106  Syncra 2.0  568gph
- SIC108  Syncra 3.0  714gph
- SIC107  Syncra 3.5  660gph
- SIC109  Syncra 4.0  951gph
- SIC110  Syncra 5.0  1321gph

**Shark ADV Internal Filter**
Three models for different powers equipped with a venturi system with a sophisticated suction to improve oxygenation. A modular system with the possibility of adding one or more filtering compartments to increase the filtration capacity or to carry out specific water treatments. Patented quick uncoupling system (MCS Magnetic System) which guarantees fast and easy maintenance and a perfect seal of the filtering bodies with the pump.

- 2 year warranty
- Revolving pump head for correct direction water flow
- Transparent mechanical filter body for easier control
- Variable flow

- SIC111  SHARKADV 158 gph
- SIC112  SHARKADV 136 gph
- SIC113  SHARKADV 111 gph

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Blue Life USA presents South Pacific Sunlight aquarium light bulbs. "Lighting Developed with Corals in Mind". Metal Halides, Mogul base bulbs, Power Compact bulbs and our T5 "Elite" Series lamps.

Offer the best value to your customers with these quality lighting products.

BL197 SPS T5 38'-39W 'Deep-Water' VHO Lamp
BL171 SPS 65w Power Compact Square Pin 10,000K
BL172 SPS 65w Power Compact Square Pin 50/50
BL207 SPS 65w Power Compact Square Pin 6700K
BL174 SPS 65w Power Compact Square Pin Actinic
BL175 SPS 65w Power Compact Straight Pin 10,000K
BL176 SPS 65w Power Compact Straight Pin 50/50
BL177 SPS 65w Power Compact Straight Pin 6700K
BL178 SPS 65w Power Compact Straight Pin Actinic
BL179 SPS 65w Power Compact Straight Pin 6700K
BL180 SPS MH HOI 150w 10000K
BL181 SPS MH HOI 150w 14000K
BL182 SPS MH HOI 250w 10000K
BL183 SPS MH HOI 250w 14000K
BL184 SPS MH HOI 250w 20000K
BL185 SPS MH HOI 250w 14000K
BL186 SPS MH HOI 250w 20000K
BL187 SPS MH HOI 400w 20000K
BL188 SPS MH HOI 400w 10000K
BL189 SPS T5 24'-24W 'Deep-Water' V-HO Lamp
BL190 SPS T5 24'-24W 'Pure Actinic' V-HO
BL191 SPS T5 36'-39W 'Mid-Water' V-HO Lamp
BL195 SPS T5 36'-39W 'Surface' V-HO Lamp
BL205 SPS T5 48'-54W 'Deep-Water' V-HO
BL206 SPS T5 48'-54W 'Pure Actinic' V-HO T5 Lamp
BL208 SPS T5 24'-24W 'Mid-Water' V-HO Lamp
BL207 SPS T5 24'-24W 'Surface' V-HO Lamp
BL188 SPS T5 24'-24W 'Mid-Water' V-HO Lamp
BL189 SPS T5 24'-24W 'Surface' V-HO Lamp
BL190 SPS T5 36'-39W 'Mid-Water' V-HO Lamp
BL195 SPS T5 36'-39W 'Surface' V-HO Lamp
BL198 SPS T5 36'-39W 'Pure Actinic' V-HO T5 Lamp
BL204 SPS T5 48'-54W 'Mid-Water' V-HO Lamp

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We carry a full line of plumbing. From tubing to valves and every plumbing fitting in between, we have plumbing for every aquarium and pond application.

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Air Tech regulating valve has a safe, anti-siphon feature, an adjustable universal hanger, accurate visual controls, and convenient flip cover.

- Accurately control air-flow of multiple air-driven devices.
- Use with airstones, bubbles, air-driven decorations, or any aquarium device powered by air pumps.
- Durable plastic construction suitable for fresh or saltwater application.

Schego Air Pumps
Schego-Life in the aquarium depends on the air pump. It must work around-the-clock. Schego is the pump you can depend on over all others. These are the most advanced highest pressure air pumps in the class.

<table>
<thead>
<tr>
<th>SCH3234</th>
<th>SCH6835</th>
<th>WS2 Optimal</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCH3235</td>
<td>SCH6836</td>
<td>WS3</td>
</tr>
<tr>
<td>SCH3236</td>
<td>M2K3</td>
<td>SCH6928 Prima</td>
</tr>
</tbody>
</table>

Stellar Air Pumps
Silent running, compact, and reliable make these best value in aquarium pumps. This is a full range of technologically advanced air pumps to fulfill most aquarium air requirements.

<table>
<thead>
<tr>
<th>OE7210</th>
<th>S-10 Single Outlet up 50&quot; and 10 gal</th>
</tr>
</thead>
<tbody>
<tr>
<td>OE7211</td>
<td>S-20 Single Outlet up to 63&quot; and 15 gal</td>
</tr>
<tr>
<td>OE7212</td>
<td>S-30 Single Outlet up to 69&quot; and 20 gal</td>
</tr>
<tr>
<td>OE7213</td>
<td>W-60 Twin Outlet up to 69&quot; and 40 gal</td>
</tr>
<tr>
<td>OE7210</td>
<td>Mini-8 Single Outlet up to 50&quot; and 10 gal</td>
</tr>
<tr>
<td>OE7345</td>
<td>W-40 Twin Outlet up to 63&quot; and 30 gal</td>
</tr>
</tbody>
</table>

Penn Plax Battery Back-Up Air Pump
Powerful, everyday air pump with automatic battery backup
- AC/DC, Twin outlet
- Continuous operation with or without power
- Automatically switches to battery power during a power loss
- Adjustable flow control
- Power indicator light
- Uses 4 Alkaline “D” Cell Batteries (not included)

Battery power lasts approx 150 hours. Length of operation with battery power varies depending on battery quality.

- Air Line Tubing Best Picks

- Air Line Silicone/PVC Blend
  - Marked every 12 inches
  - Kink resistant
  - For air and water applications
  - Soft silicone/PVC Blend
  - OE7900 500ft roll

- Standard Flexible Airline Tubing
  - Perfect for any aquarium air feature.
  - Virtually invisible in the aquarium
  - Stays flexible without kinking, cracking, or hardening
  - Great for air-driven aquarium devices
  - Use with air pumps with standard fittings or for drip acclimation
  - PP1102 25ft

- Oscar Enterprises Airline Suction Cups
  - 4pcs.
  - OE7889

- Air Stones Best Picks

- Aqua Mist Airstone
  - Specially designed to produce enormous numbers of tiny, minuscule air bubbles
  - Create a beautiful circle of bubbles in your aquarium
  - Provides a fascinating bubble cylinder while aerating your tank
  - Use in aquarium decorations to create a “volcano” of bubbles
  - PP7074 7/16” 2 pack

- Oscar Wooden Airstone for Protein Skimmers
  - OE8801 2 pack

- Bubble Disk
  - Create a beautiful circle of bubbles in your aquarium
  - Provides a fascinating bubble cylinder while aerating your tank
  - Use in aquarium decorations to create a “volcano” of bubbles
  - PP4283 5in
  - PP4284 4in
  - PP4282 3in

- Bubble Wall Bendable
  - Bends and conforms to any shape
  - Extremely porous and flexible
  - Create an uninterrupted flow of bubbles
  - Weighted to stay in any place
  - PP7803 15”
  - PP8301 23.5”
  - PP7804 35.5”

- Bubble Wall
  - Creates a dramatic mist of healthful bubbles
  - Super-porous and non-clogging
  - Provides even distribution of fine bubbles
  - www.aqualifesupport.com
  - 865-588-0108

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**Aquarium Kits Best Picks**

### Dora Mermaid Adventure
**Aquarium Kit 3gal**
- Bring the excitement and adventure of Dora to your home in this bright and fun Dora tank kit.
- **Kit includes:**
  - 8 liter tank
  - handcrafted Dora mermaid ornament
  - colorful background
  - plastic plant
  - decorative pink pellets
  - stickers!
- **PP7967**

### Azoo Palm Aquariums
- Contemporary style is sure to capture the attention of everyone in your home or office
- Perfect for setting up a natural ecosystem
- Made for assortments of live plants and a Betta fish
- Forms a relaxing and harmonious visual effect
- Flexible hood for desired amount of brightness
- Quality accessories that aid in set-up and maintenance are sold separately
- **AZ8552 Choppy Az8549 Rhythm**

### SpongeBob Aquarium Kits
- The perfect tank for bettas or cold-water fish. Add a heater, and expand your options. Whatever fish you choose, you’ll love this fun tank.
- **Kits include:**
  - tank w/ opening lid
  - background & 2 plastic plants
  - SpongeBob w/Jellyfish Ornament
  - Fun Stickers
  - UL/110v internal filter
- **PP7959 4 gal SpongeBob**
  - PP7960 6 gal Jellyfish
  - PP7983 4 gal At Home

**Phosphate Control Best Picks**

### Phosphate-Ease
- Highly concentrated products provide more applications per ounce
- All Mag-Float Labs™ products are made with deionized and UV-sterilized water
- 100% free of contaminants.
- Safely removes phosphates from aquariums and ponds
- Will not harm fish or plants
- Irreversible complex forms with phosphate
- **GU130 1oz Treats up to 200 gallons**
  - **GU131 4oz Treats up to 400 gallons**
  - **GU169 8oz Treats up to 800 gallons**
  - **GU170 16oz Treats up to 1514 gallons**
  - **GU132 1gal Treats up to 12108 gallons**

### PURA PhosLock
- Fast acting, long lasting, and very effective in reef, marine, planted, and freshwater
- Ferric oxide hydroxide specifically modified for use in aquarium applications
- Stable and removes large quantities of phosphate and silicates
- Reduces propagation of algae
- Removes arsenic and other heavy metals
- Safe for the most delicate invertebrates
- **MA100 150g Treats 300 gal**
  - **MA101 454g Treats 900 gal**

### Phosphate Pad/Inhibitor
- For freshwater and saltwater aquariums
- Safe for reef aquariums and invertebrates
- Quickly removes phosphates
- Compatible with all aquarium products
- Removes only phosphate and adds nothing to aquarium water
- **TRS239**
- **CS1005 8oz Treats up to 470 gallons**
  - **CS1006 16oz Treats up to 950 gallons**

**Algone Nutrient an Algae Control**

### Aquarium Algaway 5.4
- This is the algaecide of choice. Concentrated formula is safe and effective.
- Controls algae in Freshwater aquariums
- Will not harm fish or live plants
- Fast acting
- **EL172 4oz Treats 1,419 gal**
  - **EL173 8oz Treats 2,839 gal**
  - **EL174 16oz Treats 5,678 gal**

### Precision Red Slime Control
- Quickly and safely remove the red slime (Cyano bacteria)
- Will not discolor aquarium water.
- Safe for all types of Saltwater Aquariums will not harm fish, corals or other reef invertebrates
- **BL1001 Treats 400 gal**

### Chemi-Clean
- Removes disease causing red cyanobacteria (red slime) from live coral
- Oxidizes trapped organic sludge and sediment
- Clarifies aquarium water to crystal clear
- Promotes ideal enzyme balance
- Safe for reef tanks, all invertebrates, desirable macro algae, nitrifying bacteria and fish
- **BE490 2g Treats 300 gal**
  - **BE491 6g Treats 900 gal**

**Phosphate-Ease**

**Algone Nutrient an Algae Control**

- Biological Removal of...Ammonia, Nitrite, Nitrate, Cloudy Water!
- Naturally Controls Algae
- Freshwater, Marine, Reef, Coldwater, Brackish
- Fits Every Filter System
- Safety - 100% FREE of Chemicals
- **ALG1000 6 pouches treats 330 gallons**
  - **ALG1001 treats 1200 gallons**

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Aquarium/Pond Water Conditioners, Treatments & Buffers

- Over 30 years of manufacturing experience
- Highly concentrated and efficient
- Ease of application: Convenient dropper cap dispenser (1oz, 4oz, 8oz sizes)
- Easy to identify: Product is color coded

Same recognized trademark name “Ease”

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- Fungus-Ease
- Wound-Ease
- Protect-Ease
- Dechlor-Ease
- Clear-Ease
- Ph-Ease Increase
- Ph-Ease Decrease
- Ammonia-Ease
- Phosphate-Ease

...and more!

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Toll Free: 1-800-242-3949
**Deluxe Cleaning Pad**
A great little sponge for cleaning your tank! Double sided with one side soft for simple wiping of a tank front and the other coarse for scrubbing stubborn algae.

**Mag-Float 360 Cleaning Magnets**
Mag-Float’s powerful rare earth neodymium magnets enable the easy removal of algae. Algae simply floats to the surface for easy retrieval. Great in corners. The cleaning velcro pad remains free of sand or gravel, thus preventing scratching. Models for acrylic and glass tanks.

**Easy Scrape Hand Held for Glass and Acrylic Tanks**
Durable, easy-to-use algae scraper with ergonomic grip for comfortable use.

**Magical Cleaning Replacement Course Algae Pad for glass tanks**
OE1000 Replacement scraper
OE1001 Glass polisher

**Magical Cleaning Rod with Interchangeable Tools**
- Scrapes algae
- Removes wastes
- Polishes aquarium surface
- Ergonomic grip for comfortable use
- Polisher: polishes your aquarium with ease, even curved surface by turning polisher 90 degrees
- Shovel: removes fish wastes, food and other undesirable objects
- Scraper: removes algae from your aquarium without fear of scratching the surface

**Gravel Vac Super Aquarium Cleaner, Scraper, and Siphon**
- Extra-long tube for deep aquariums
- Self-starting siphon - no more swallowing water
- Unique scraper feature gets the “grunge” below the gravel line
- Great additions to the 4 other sizes

**ProGlow Acrylic & Glass Cleaner/Polisher**
The safe, effective and streak free solution that really works! A whole lot of ammonia-free acrylic & glass cleaner for a lot less.
- Non yellowing formula
- Non streaking
- Non abrasive
- Repels water spots
- Ammonia free
- Environmentally safe

**NanoMag Magnetic Window Cleaning Device**
Itsy-bitsy, lean, high-energy, window-cleaning apparatus. Its patent-pending design provides flexibility and a slen-der profile that slips safely between polyps and viewing windows. It’s got the umph needed for cleaning glass up to 3/8” thick.

**Veggie-Mag Sea Veggie Clip**
Uses magnetic attraction instead of a suction cup to hold our SeaVeggies clip in place for windows up to 3/4” thick! It’s easy to position at any level in the aquarium, and easy to retrieve it without getting your hands wet. As an added feature the Veggie-Mag floats! Patent pending design by Julian Sprung.

**Daily Double II Automatic Fish Feeder**
- Safe, accurate, and easy!
- 2 programmable feeding options
- Easy one touch setting
- Works with flake or small pellets
- Fresh air ventilator which prevents food from clogging
- Requires 2 AA batteries (not included)

**Feeding Frenzy Seaweed Clips**
The Seaweed Clip holds the seaweed underwater for the fish to feed upon, and helps promote a very natural feeding by allowing fish to pick at the food, little by little, over an extended period of time.

**Quick Scrape Hand Held Algae Scraper for Acrylic and Glass Tanks**
- Durable
- Easy-to-use
- Ergonomic grip for comfortable use

**Gravel Vac Super Aquarium Cleaner, Scraper, and Siphon**
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SeaVeggies Green Flakes
Super nutritious natural Green Seaweed chopped into Flakes. Ideal for marine herbivores such as Tangs and Surgeonfish, Moorish Idols, Parrotfish, Angelfish, large Butterflyfish, and herbivorous freshwater fishes, such as Cichlids and Goldfish.

TLF1009 1 oz

SeaVeggies Mixed Seaweed Flakes
(Palmaria, Porphyra, and Ulva spp.)
For herbivorous Marine or Freshwater Fish. Chopped natural seaweeds, harvested and dried to preserve their high nutritional value. Ideal for Tangs, Angelfish, some large Butterflyfish, Cichlids, Goldfish, Plecos, and Livebearers.

TLF1010 1 oz

OSI
Ocean Star International manufactures quality fish food for freshwater, saltwater, and pond fish. This is a premium food not found in big box stores.

Angel Flake
Provides an excellent nutritional diet for most varieties of freshwater angelfish. Promotes rapid growth, high survival rates and disease resistance.
OSI4512 1.09oz

Artemia Food
Artemia food is a highly nutritious food for growing brine shrimp from nauplii to adults. It promotes growth and improves survival rates.
OSI6459 .40oz

Betta Food
The benefits include: Natural attractants, contains color-enhancing pigments, easy to digest, never clouds aquarium water, and softens easily in water.
OSI8174 0.18oz

Blood Red Parrot Pellets
Color enhancing pigments contains spirulina never clouds water stabilizes vit. C. high protein level.
OSI8355 3.0oz
OSI8356 6.69oz

Brine Shrimp Eggs
Brine shrimp eggs (Artemia franciscana cysts) are harvested from the Great Salt Lake in Utah. They are washed, dried and vacuum packed for freshness. Brine shrimp eggs provide one of nature’s finest foods.
OSI4516 15oz
OSI4515 .21oz
OSI6316 3.5oz

Brine Shrimp Flake
A highly nutritious food made from brine shrimp and other natural ingredients. OSI Brine Shrimp Flakes provide high levels of amino acids and fatty acids necessary to yield high survival and rapid growth rates. Also contains natural flavor attractants for finicky eaters.
OSI4320 1.09oz

Cichlid Pellets
These pelletized foods are manufactured using a quick cook process that maintains the quality of the ingredients. Vitamins and color enhancers added. The high digestibility and superior nutrition of these pelletized foods make them the food of choice of any fish keeper.

Small
OSI4264 3oz
OSI4260 7.4oz
OSI4261 6.69oz
OSI6404 14oz

Medium
OSI4265 14oz

Pellets Large
OSI6405 14oz

Cichlid Premier Floating Pellets
Cichlid Premier floating pellets are a high quality feed acceptable for most types of African and Central/South American cichlids. All necessary vitamins are added. Contains color enhancing pigments. Spirulina included. Will not cloud the water. Stabilized Vitamin C included. High protein for good growth.

Small
OSI8346 2.0 oz
OSI8348 8.8 oz

Medium
OSI8347 2.0 oz
OSI8349 8.8 oz

Large
OSI8350 8.8 oz

Discus Flake Food
O.S.I. Discus aquarium flake food is a special formula which contains all the necessary nutrients, vitamins, and minerals your discus need to be healthy and vibrant. Balanced Nutrition Easy to Digest Contains Natural Pigments Stabilized Vitamin C Never Clouds Aquarium Water Contains Spirulina.
OSI8353 1.09oz
OSI8354 2.24oz

Flower Horn Pellets
High Amino & Fatty Acid Levels Natural Pigments Stabilized Vit. C. Easy to Digest Never Clouds Water Contains Spirulina.
OSI8357 3.0 oz
OSI8358 6.69 oz

Freshwater Flake
Specially formulated to meet the essential nutritional needs of most species of tropical fish. It contains a properly balanced ratio of proteins, fats and carbohydrates to promote fast growth and good survival. An ideal basic diet for tropical fish.
OSI8353 1.09oz
OSI8354 2.24oz
OSI8351 0.53oz

Freshwater Nibblers (Supplemental)
Freshwater Nibblers are a highly digestible, high-protein treat developed with a broad assortment of vitamins and minerals necessary for tropical freshwater fishes. Ocean Star International manufactures quality fish food for freshwater, saltwater, and pond fish.

OSI8351 .53oz

Freshwater Ultra Flakes
FRESHWATER ULTRA Flake Food - brand new blend of basic flakes, high-pigment flakes (Vivid Color), and extra Spirulina to maximize fishes’ color potential and well being.
OSI7956 .72 oz
OSI7957 1.09 oz

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Goldfish Flake
An exceptional species-oriented diet formulated to meet the unique metabolic requirements of most goldfish and Koi. It contains high quality natural ingredients to enhance growth, survival and coloration of goldfish.

OSI3820 7.2oz
OSI3823 1.09oz
OSI3821 2.24oz

Goldfish Pellets
These pelleted foods are manufactured using a quick cook process that maintains the quality of the ingredients. Each type of food contains all the nutrients currently recognized as required by fish. Antioxidants are also added to protect important fatty acids and pigments. All diets contain both sinking and floating pellets in the same jar for surface, mid-water, and bottom feeding fish to eat at the same time. Flavor attractants have been added for finicky fish. Vitamins and color enhancers added. The high digestibility and superior nutrition of these pelleted foods make them the food of choice of any fish keeper.

OSI3902 5m 3oz
OSI3903 Md 3oz

Goldfish Ultra
Goldfish ULTRA Flake Food - brand new blend of basic flakes, high-pigment flakes (Vivid Color) and extra Spirulina to maximize fishes’ color potential and well being, especially formulated for goldfish.

OSI7958 7.2oz
OSI7959 1.09oz

Marine Flake
Specially formulated for most species of marine fish. This special formula contains all the nutrients, vitamins and minerals marine fish require to be healthy and vibrant.

OSI3824 1.09oz
OSI3825 2.24oz
OSI3826 7.06oz

Marine Pellets
These pelleted foods are manufactured using a quick cook process that maintains the quality of the ingredients. Each type of food contains all the nutrients currently recognized as required by fish. Antioxidants are also added to protect important fatty acids and pigments. All diets contain both sinking and floating pellets in the same jar for surface, mid-water and bottom feeding fish to eat at the same time. Flavor attractants have been added for finicky fish. Vitamins and color enhancers added.

OSI3905 Sm 7.4oz
OSI3906 MD 7.4oz

Micro-Food
Micro-encapsulated diet rich in protein, fatty acids, and vitamins. Ideal for feeding invertebrates such as feather dusters, live corals, clams, scallops, and other filter feeders.
OSI4517

Shrimp Pellets Sinking
OSI’s Shrimp Pellets are a nutritional diet containing a high concentration of shrimp in a pelleted form for both marine and freshwater fish.

OSI7346 1.6oz
OSI7347 8.5oz
OSI7348 24lb

Spirulina Flake
A special diet containing a high concentration of Spirulina, a blue-green algae, which is beneficial to plant eating fish. Spirulina is also a strong source of important pigments to enhance the natural colors of a fish’s immune system to attack gram negative bacteria to reduce disease problems.

OSI4008 7.2oz
OSI4078 2.24oz

Spirulina Nibblers (Supplemental)
Spirulina Nibblers are a highly digestible, high-protein treat developed with a broad assortment of vitamins and minerals necessary for both saltwater and freshwater fishes. This diet is specially enriched with high levels of the algae, spirulina. Spirulina promotes excellent color enhancement. Spirulina is also known to improve disease resistance in fish.

OSI8352 53oz

Spirulina Pellets
A unique blend of natural and healthy ingredients. Special emphasis is placed on ingredients for plant origin. Optimal amounts of Spirulina necessary to promote healthy skin, improve kidney function, promote proper organ development and intensify fish colors are included. Can be fed in conjunction with both Cichlid and Goldfish Pellets.

OSI4263 3oz medium floating/sinking

Spirulina Sinking Wafer
Excellent source of nutrition for all bottom feeding fish like Plecos. Easy to digest. Contains stabilized Vitamin C & Spirulina. Softens in water but holds its form. Never clouds aquarium water. Vitamin supplement included.

OSI4996 3oz
OSI4997 6.5oz
OSI7349 25lb

Vivid Color Flakes
Contains very high concentrations of carotenoid pigments for bringing out the natural colors in tropical fish, especially the reds, oranges, yellows and blues. Vivid Color is also a complete, balanced diet, is easy to digest, and is supplemented with vitamins including stabilized vitamin C.

OSI4010 7.2oz
OSI4029 1.09oz
OSI4168 2.24oz
OSI4514 7.06oz
OSI4709 2.2lb

Staple Granules
Fresh and saltwater balanced nutrition pellets, both floating and sinking in two sizes. Small enough for neon, but all fish will love it.

OSI6910 3 oz Fine
OSI6908 3oz Tiny

Red Tiny Bits
Ocean Star International Red Tiny Bits are specifically formulated for feeding discus, tetras, small cichlids, guppies, and small marine fishes. Easily digested granules allow for rapid growth, good body form, and low waste.

OSI4517 .18oz
OSI3811 3oz. (Super Fine)
OSI3810 6.69oz (Tiny 2mm)
OSI3813 3oz
OSI3812 6.69oz.

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**Spectrum**

Spectrum foods noticeably increase both color and vigor in freshwater fish. Spectrum features premium ingredients that produce results superior to other pellets and even specialized fresh food (such as brine shrimp, seaweed, etc) without pollution. These high-density, nutritious pellets help prevent lateral line disease, as well as other ailments related to faltering health. New Life Spectrum provides trace elements present in natural environments, but missing in aquariums. Spectrum Pellets are designed with no dust and will stay in the water for hours without disintegrating, reducing pollution. New Life Spectrum is suitable for omnivorous, herbivorous, and many carnivorous fish. Ounce-for-ounce, New Life Spectrum provides far better nutrition than flake food and is less-expensive relative to weight.

- High quality, easily digestible Krill and fish meal protein
- Balanced daily diet for all freshwater fish
- Enhances the full spectrum of your fish’s color

**Ocean Nutrition Dry Food**

Ocean NutritionTM is recognized as the pioneer of “formula diets” and unique in its approach to provide the same Formula Feed in different forms: many are available in frozen, flake, and pellet form.

**Formula One Flake Food**

Fresh seafoods and algae make this a gourmet natural food for all marine tropicals. Developed by Aquaculture Biologists, this food will significantly improve coloration and vitality in fishes while boosting the immune system to aid in disease resistance. Excellent for Clownfish and most other marine and freshwater tropical fish.

ON7165 1oz  
ON8181 2.5oz  
ON8307 5.5oz

**Formula Two Flake Food**

Extra Algae with fresh seafoods make this a gourmet natural food for herbivorous marine and freshwater fishes. Developed by Aquaculture Biologists, this formula is excellent for Surgeonfish, Angelfish, Butterflyfish, African Cichlids, Plecostomus, and other algae eaters.

ON7166 1oz  
ON8182 2.5oz  
ON8308 5.5oz

**Brine Shrimp Plus Flake Food**

This Brine Shrimp is supplemented with a nutritious blend of seafood, plankton, algae, vitamins, etc. yielding succulent flavor and complete balanced nutrition for healthier, robust, and more colorful tropical fish.

ON7193 1oz

**Prime Reef Flake Food**

This natural blend of fresh, raw seafood provides an excellent source of pure marine protein from the coral reef and creates an exciting flavor that marine tropical fish cannot resist! Also excellent for freshwater tropical fish!

ON7194 1oz

**Formula One Marine Pellets Medium**

Formula One is red and, like our frozen and flake products, it is produced with higher protein levels.

- Low phosphorus and low ash with stabilized Vit C and other immune boosters.
- Soft and moist highly palatable pellets.
- Super color enhancing qualities.
- High levels of refined quality marine proteins.
- Neutral buoyancy for optimum suspension in salt water.
- Contains garlic and spirulina.
- Contains marine protein amino extract.
- From the makers of the world’s best frozen foods.

ON8199 3.5oz

**Formula Two Marine Pellets Medium**

Formula Two is green and is for fish with lower protein needs.

- Low phosphorus and low ash with stabilized Vit C and other immune boosters.
- Soft and moist highly palatable pellets.
- Super color enhancing qualities.
- High levels of refined quality marine proteins.
- Neutral buoyancy for optimum suspension in salt water.
- Contains garlic and spirulina.
- Contains marine protein amino extract.
- From the makers of the world’s best frozen foods.

ON8200 3.5oz

www.aqualifesupport.com  
865-588-0108
ON8316 1.0 oz

**Community Formula Flake Food**
This delicious blend of the finest ingredients stimulates appetite, coloration, and breeding in the freshwater community tank.

ON8311 1oz

**Goldfish Formula Flake Food**
Scientifically formulated to provide a balanced blend of proteins, vitamins, and pigments necessary for healthy development and coloration of your pet goldfish.

ON8312 1oz

**Instant Baby Brine Shrimp**
Once again, Ocean Nutrition is leading the innovation wave by introducing a revolutionary food concept: Instant Baby Brine Shrimp. Baby Brine Shrimp (nauplii of Artemia salina) are widely used in the aquarium hobby as food during the first stages of many delicate fishes and as food for many invertebrates.

ON8316 1.0 oz

**Spirulina Flake Food**
Ocean Nutrition, the maker of the famous "Formula Flakes”™ has just added a very interesting product to this already extensive range: the Spirulina Flakes. The main characteristic is the inclusion of Spirulina in the flakes. Spirulina is a nutritionally valuable blue-green algae known for its color, health, and growth enhancing properties.

ON831 1oz

**Tropical Wafers**
- Excellent nutrition for herbivorous fish
- Fortified with a special Spirulina algae formula to provide complete nutrition
- High Palatable, easily digestible sinking wafers for your bottom feeders!
- Ideal shape and size, thin edges make them easy to nibble

ON3481 75g

**Brine Shrimp Freeze Dried**
Great for finicky eaters! Raised in saltwater ponds that are rich in algae and diatoms. Even herbivores love them. This food ranks at the top of the nutritional charts in high levels of essential fatty acids, protein, and pigments. For all freshwater and saltwater species.

SF4771 3oz

**Krill Freeze Dried**
Excellent for your large freshwater and marine tropicals. Contains astaxanthin, a carotenoid that brings out the color of your fish. High in essential fatty and amino acids. All Freshwater Cichlids, Loaches, Eels, & Catfish and all Saltwater Groupers & Eels.

SF4772 1oz
SF4773 2oz
SF4774 4oz

**Betta Food Freeze Dried Bloodworms**
Freeze dried bloodworms are one of nature’s best foods. Your discus, eels, bettas, loaches and other community freshwater fish will thrive on this primary food. Choice for all bettas and community tanks.

SF4776 1/4 oz
SF4777 1/2 oz
SF4778 1.75oz

**Tubifex Worms Bacteria Free**
Gamma radiated, free of parasites and harmful bacteria. Excellent growth enhancer for freshwater fish. All Freshwater Angles, Discus, Barbs, Cichlids, Gouramis, Live Bearers, Loaches, Eels, Catfish, Tetras, Sharks & Silver Dollars.

SF4779 6gr

**Brine Shrimp Eggs**
Hatch baby brine shrimp the perfect food for baby fish and reef tanks. Our eggs come from our FDA certified solar salt ponds in the San Francisco Bay area. These ponds are known for being rich in flagellates and algae.

SF4777 1oz

**Plankton Freeze Dried**
An abundance of proteins and lipids makes these plankton ideal food supplement for invertebrates and medium to large fish. Their heavy concentration of beta carotene brings out the color of your fish. All Freshwater Barbs, Sharks, Silver Dollars and all Saltwater Angelfish, Damsels, Clownfish, Groupers, and Eels.

SF8175 1oz

**Krill Freeze Dried**
Excellent for your large freshwater and marine tropicals. Contains astaxanthin, a carotenoid that brings out the color of your fish. High in essential fatty and amino acids. All Freshwater Cichlids, Loaches, Eels, & Catfish and all Saltwater Groupers & Eels.

SF2000 16.63oz

**Freeze Dried Mysis Shrimp**
Freeze Dried Mysis Shrimp is a perfect choice for finicky eaters. Mysis Shrimp are one of the most nutritious and readily accepted foods for almost all fresh and saltwater aquarium fish.

SF8182 1.70oz

**Dry Green Seaweed Salad Sheet**
A natural treat for marine and freshwater herbivores. Much more nutritious than spinach and lettuce. Great for all freshwater Algae Eaters, African Cichlids, Silver Dollars, Sharks and all saltwater Damsels, Clownfish, Angels, and Tangs. This natural dried seaweed is a nutritious tender food.

SF8184 100ct

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PE MYSIS (Mysis relicta) are harvested from a pristine glacier fed lake in British Columbia, Canada. PE MYSIS perform a daily 500ft vertical migration in near freezing water in order to feed on micro algae, phytoplankton and zooplankton near the surface of the lake.

As a result of the energy required to make this vertical migration, PE MYSIS store remarkable levels of beneficial Omega 3 and Omega 6 highly unsaturated fatty acids, long chain amino acid proteins, powerful antioxidants and color enhancers such as astaxanthin. PE MYSIS are harvested when the shrimp are feeding, and flash frozen in order to provide your fish and corals with a fresh, naturally gut loaded, nutritionally complete and life like food source.

Excellent for feeding a wide variety of marine ornamental fish and LPS corals!

www.aqualifesupport.com
865-5888-0108
Betta Health Best Picks

Atison’s Betta Food
High-end daily food for the Betta.
- High quality floating pellet food using the freshest ingredients available.
- The most nutrient complete food for Bettas
- Enhances the natural color of the fish.
- Does not cloud the water.
- Extensive testing for health and vigor.

ON8500 15gr
ON8303 75gr

Atison’s Betta Spa
For the first time, available for the Betta hobbyist in an easy-to-use format: Wild almond leaf extract, and a lot more, in one easy formula. Clean, easy, complete and consistent.

ON8306

Betta Security House
Wanna keep bettas but don’t want to have various betta bowls everywhere in your house? The Betta Security House allows you to keep your bettas in the main tank with all your other fish but keeping them separated so no one gets hurt. A perfect solution for your betta housing needs.

OE8718

Betta Bowl Double Tank Kit
The Betta Bow-Front Double Kit is a great way to view your growing Siamese Fighting Fish collection. Same well known features as the single Betta Bow-Front Kit but with more
- Comes with an EZ-Lift lid
- Unique filter-grid with EZ-Clean system
- A water release cap on the bottom for easy draining
- Decorative artificial plant for each chamber
- One pack of Pro-V waste absorbing crystals
- Removable double divider system
- Blue Tank divider shield visually separates fish.
- Clear divider promotes flaring of gills and fins 7-1/2” long by 4” wide

OE8718

Cascade Submersible Preset Heater (Life Time Warranty)
- 7” long
- Temperature adjustment is easy
- Visible & accurate temperature setting scale
- Easy View On/Off light
- Dual suction cups w/ mounting clip
- For fresh and salt water aquariums

PP7951 25W
PP7952 50W
PP7953 75W 8” long
PP7954 100W 8” long
PP7955 150W 10” long
PP7956 200W 10” long
PP7957 300W 12” long

Mini Aquarium Heater UL 7.5W for tanks up to 50 gallons
- Specially designed for small aquariums and fish bowls up to 5 gallons.
- Easy installation and quick maintenance
- Ideal for use in glass or acrylic tanks
- Can be completely buried within the gravel
- No thermal shock
- Submersible
- High resistance
- Graduated scale
- Precise maintenance of set temperature
- Vertical and horizontal positioning

HY105

THEO UL Heaters
- PTC patented thermal technology among the safest aquarium heater lines on the market.
- Made from specially engineered shatterproof glass
- Highly accurate due to the use of precise micro-switch technology. For use in freshwater and marine aquariaums. Two year guarantee. The 50W & 100W models, at 7” & 8.9” respectively, are among the smallest sized heaters on the market.
- No thermal shock
- Submersible
- High resistance
- Graduated scale
- Precise maintenance of set temperature
- Vertical and horizontal positioning

HY108 50W
HY109 100W
HY110 150W
HY111 200W
HY112 300W
HY113 400W

www.aqualifesupport.com
865-588-0108

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They say

“Imitation is the best form of flattery”

Ok guys, we’re flattered...

However, there is still only one patented, award winning PurpleUp™ (US patent No. 7,565,883). The world’s best coralline algae growth accelerator, and marine aquarium supplement. CaribSea, we simplify success!

CaribSea inc.
**CaribSea’s Buffer Plus**
The easy way to buffer and re-mineralize marine and reef aquariums. With both bicarbonate and time release aragonite buffer, Buffer Plus gives you the fast alkalinity adjustment and pH support you expect, as well as the long term stability you need for a healthy marine aquarium. Buffer Plus also contains calcium and trace elements such as strontium and magnesium for robust and vibrant corals, invertebrates, and coraline algae.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Treatment Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS1013 8oz</td>
<td>Treats 1,760 gallons</td>
</tr>
<tr>
<td>CS1012 16oz</td>
<td>Treats 3,520 gallons</td>
</tr>
</tbody>
</table>

**Reef Buffer**
Reef Buffer will raise carbonate alkalinity; however, it is intended primarily for use as a buffer in a reef system where the maintenance of a pH of 8.3 is often difficult. When pH is not an issue, Reef Builder or Reef Carbonate should be your first choice for a carbonate alkalinity supplement.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Treatment Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC1076 250g</td>
<td>Treats 2,000 gallons</td>
</tr>
<tr>
<td>SC1077 4kg</td>
<td>Treats 16,000 gallons</td>
</tr>
</tbody>
</table>

**Reef Builder**
Reef Builder raises carbonate alkalinity without immediately impacting on pH. With long term use there will be a tendency to stabilize at pH 8.3. Carbonates and calcium are essential to all coral growth. If either becomes deficient, coral growth will cease, followed by a rapid decline in coral health.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Treatment Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC367 300g</td>
<td>Treats 4,800 gallons</td>
</tr>
<tr>
<td>SC6622 600g</td>
<td>Treats 9,600 gallons</td>
</tr>
<tr>
<td>SC1070 1kg</td>
<td>Treats 19,200 gallons</td>
</tr>
<tr>
<td>SC851 4kg</td>
<td>Treats 64,000 gallons</td>
</tr>
</tbody>
</table>

**Flatworm Control**
A prompt and effective treatment for controlling flatworms in saltwater aquariums. This innovative product contains no harsh chemicals, medications, or pesticides. Flatworm Control is exceptionally safe for use in reef and fish only tanks alike.

**Aptasia Control**
Simple, veterinarian approved, and quick solution for controlling aptasia and other nuisance anemones. This product yields results within minutes of application. Aptasia Control is reef safe and will not alter the aquariums chemistry. When used as directed it will not harm any desirable aquarium inhabitants.

**Purple Up**
Unique DUAL METHOD approach actually targets live rock surfaces and replenishes aquarium water to grow coraline algae like crazy! It’s great for coral growth, too. Not a fertilizer, Purple-Up encourages the growth of desirable pink and purple coraline algae, not nuisance algae.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Treatment Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS1015 4oz</td>
<td>Treats 1,185 gallons</td>
</tr>
<tr>
<td>CS1010 8oz</td>
<td>Treats 2,370 gallons</td>
</tr>
<tr>
<td>CS1004 16oz</td>
<td>Treats 4,730 gallons</td>
</tr>
<tr>
<td>CS1011 128oz</td>
<td>Treats 37,840 gallons</td>
</tr>
</tbody>
</table>

**Precision Potassium**
A well-balanced supplement that is designed to raise and maintain potassium levels as well as enhance coral color. This product contains 60,000 ppm (mg/L) of potassium and is one of the strongest potassium supplements on the market. Proper potassium levels aid in maintaining proper calcium levels, which are essential for the optimal growth of hard and soft corals, clams, coralline algae and other invertebrates.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Treatment Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>BL144 8oz</td>
<td>Treats 1,182 gallons</td>
</tr>
<tr>
<td>BL145 16oz</td>
<td>Treats 2,365 gallons</td>
</tr>
<tr>
<td>BL146 32oz</td>
<td>Treats 4,730 gallons</td>
</tr>
<tr>
<td>BL147 128oz</td>
<td>Treats 18,920 gallons</td>
</tr>
</tbody>
</table>

**Precision Calcium**
A well-balanced supplement that is designed to raise and maintain calcium levels as well as enhance coral growth. This product contains 185,000 ppm (mg/L) of calcium and is the strongest calcium supplement on the market. Nearly every inhabitant of a marine reef aquarium uses calcium, including calcareous (coralline) algae, sponges, crustaceans, corals and other invertebrates. Precision Calcium provides two sources of calcium (calcium chloride and calcium acetate) for optimal bioavailability.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Treatment Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>BL136 8oz</td>
<td>Treats 1,182 gallons</td>
</tr>
<tr>
<td>BL137 16oz</td>
<td>Treats 2,365 gallons</td>
</tr>
<tr>
<td>BL138 32oz</td>
<td>Treats 4,730 gallons</td>
</tr>
<tr>
<td>BL139 128oz</td>
<td>Treats 18,920 gallons</td>
</tr>
</tbody>
</table>

**Precision Magnesium**
Precision Magnesium is a well-balanced supplement that is designed to raise and maintain magnesium levels as well as enhance coral growth. This product contains 80,000 ppm (mg/L) of magnesium and is one of the strongest magnesium supplements on the market. Proper Magnesium levels will aid in maintaining proper calcium levels, which are essential for the optimal growth of hard and soft corals, clams, coralline algae and other invertebrates.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Treatment Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>BL148 8oz</td>
<td>Treats 1,182 gallons</td>
</tr>
</tbody>
</table>

**CoralAmino: Free Form Amino Acid Supplement for Corals**
CoralAmino is a complex that closely approximates ratios of amino acids present in many species of stony corals; the formulation is based upon extensive research conducted on tropical coral reefs by oceanographic researchers. While the ratios of amino acids present in coral tissue vary between species, general ratios are approximately maintained, enabling an effective average to be created that will benefit not only stony corals, but also soft corals, solitary, and colonial polyps (e.g. Xenia, Anthelia, Zoanthus, Discoria, Actinodiscus, etc.). The amino acids are present in their most elementary form (“free-form”) rather than being accounted for by their presence in a food or complex nutrient; in this fashion, they are readily available to corals and their allies. The main benefit of this quality is the ease in which corals can assimilate the amino acids into their tissue for the purpose of growth and tissue repair.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Treatment Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT267 2oz</td>
<td></td>
</tr>
<tr>
<td>BT415 4oz</td>
<td></td>
</tr>
</tbody>
</table>

**Lugols Iodine Solution**
The strongest source of free iodine and iodide available on the market today. Due to its high concentration, Lugol’s provides an excellent source of iodine for all corals, marine fish and other reef invertebrates. Using Lugol’s as a supplement will increase the vitality and poly extension of corals. In addition, Lugol’s will help corals maintain their natural color and will help protect them against bleaching. Using Lugol’s as a dip is a very effective treatment for new corals being added to the aquarium, as well as for treating damaged coral specimens.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Treatment Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>BL152 30ml</td>
<td></td>
</tr>
</tbody>
</table>

**Alkaline 8.3 Buffer & Alkalinity(KH)-Builder**
- Highly-effective alkalinity(KH)-increasing solution.
- Helps increase pH stability in an aquarium by raising the alkalinity.
- Provides a source of carbonates, which make up the majority by weight of aragonite, the mineral secreted by reef-building organisms as skeletal material.
- Continued addition raises pH until 8.3 is reached, at which point the pH remains unchanged and the alkalinity alone increases.
- Over 50% stronger than most competing products.
- Free of phosphate, silicate, and organic material.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Treatment Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT100 8.5oz</td>
<td>Treats 1,508 gallons</td>
</tr>
<tr>
<td>BT101 17oz</td>
<td>Treats 3,000 gallons</td>
</tr>
<tr>
<td>BT410 67.6oz</td>
<td>Treats 11,940 gallons</td>
</tr>
</tbody>
</table>

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Many supplements on the market today were developed decades ago when reef aquarium needs were very different. Precision Supplements are developed to offer relevant solutions to the common and current needs of today's marine aquarist.

Precision Calcium
raises & maintains calcium
enhances coral growth

Try us today to experience the Vision for yourself.

AQUAVISION
solutions for success
The most concentrated products on the market!
Protected pricing and margins.

www.aqualifesupport.com
865-588-0108

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Marine Snow
Marine Snow Plankton Diet is a first of its kind product that reproduces the special biogenic suspended matter found in natural seawater, including “marine snow” aggregates. A food for filter-feeding marine invertebrates that feed on particulate and dissolved organic matter, phytoplankton and zooplankton. Formulated based on components of ocean plankton.

Dry pH Buffer & Alkalinity (KH)-Builder
Highly-effective alkalinity (KH)-increasing solution. Helps increase pH stability in an aquarium by raising the alkalinity. Provides a source of carbonates, which make up the majority by weight of aragonite, the mineral secreted by reef-building organisms as skeletal material. Continued addition raises pH until 8.3 is reached, at which point the pH remains unchanged and the alkalinity alone increases.

KoralColor
Provides numerous elements important to the formation of various biochromes (biological pigments), complex molecules that give coloration to plant and animal cells through their selective color-absorption and -reflection characteristics.

PhytoGold-S
Concentrated suspension of Thalassiosira sp. unicellular marine algae ranging in size from 8-20µm and having a diverse nutritional profile. Rich in the omega-3 fatty acids ARA and DHA, as well as in several important amino acids for many soft corals, clams, sponges, tunicates, tube worms, and larval invertebrates. Provides over 50-million phytoplankton cells per ml. Does not require refrigeration. Supplemented with a proprietary amino acid to aid coloration.

PhytoGreen-M
A concentrated suspension of Nannochloropsis sp., a unicellular marine algae ranging in size from 1-2µm and having a relatively high fatty acid content compared to many other species of phytoplankton; it is particularly rich in the omega-3 fatty acid EPA, as well as in several important amino acids.

PhytoGreen-S
A concentrated suspension of Nanochloropsis sp., a unicellular marine algae ranging in size from 1-2µm and having a relatively high fatty acid content compared to many other species of phytoplankton; it is particularly rich in the omega-3 fatty acid EPA, as well as in several important amino acids.

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KoralColor
Provides numerous elements important to the formation of various biochromes (biological pigments), complex molecules that give coloration to plant and animal cells through their selective color-absorption and -reflection characteristics.

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Provides numerous elements important to the formation of various biochromes (biological pigments), complex molecules that give coloration to plant and animal cells through their selective color-absorption and -reflection characteristics.

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Provides numerous elements important to the formation of various biochromes (biological pigments), complex molecules that give coloration to plant and animal cells through their selective color-absorption and -reflection characteristics.
Reef BioFuel
Helps maintain a balanced nutrient-limited marine aquarium by enabling the hobbyist to enhance the rate of microbial growth and reproduction, increasing the rate of phosphate-reduction and denitification; this is of particular benefit in heavily-stocked, well-fed reef aquaria.

<table>
<thead>
<tr>
<th>Code</th>
<th>Size</th>
<th>Treats</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT181</td>
<td>8.5oz</td>
<td>5,000 gallons</td>
</tr>
<tr>
<td>BT404</td>
<td>17oz</td>
<td>10,000 gallons</td>
</tr>
<tr>
<td>BT413</td>
<td>67.6oz</td>
<td>39,800 gallons</td>
</tr>
<tr>
<td>SC897</td>
<td>1 gal</td>
<td>26,000 gallons</td>
</tr>
</tbody>
</table>

Reef Fusion
Reef Fusion 1™ and Reef Fusion 2™ are the foundation of a system formulated to provide the essentials for the reef aquarium. Reef Fusion 1™ provides calcium, while Reef Fusion 2™ provides alkalinity. When used together, the Reef Fusion™ system will maintain calcium and alkalinity levels.

**Reef Fusion 1**
- SC682 34oz Treats 6,500 gallons
- SC863 1gal Treats 26,000 gallons

**Reef Fusion 2**
- SC684 34oz Treats 6,500 gallons
- SC865 1gal Treats 26,000 gallons

Replenish
A unique complex that replaces trace and minor elements used by fishes, corals, and other invertebrates, and which are lost through chemical filtration (protein skimming and use of filtration media such as resins and activated carbon).

<table>
<thead>
<tr>
<th>Code</th>
<th>Size</th>
<th>Treats</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT145</td>
<td>8oz</td>
<td>2,500 gallons</td>
</tr>
<tr>
<td>BT146</td>
<td>17oz</td>
<td>5,000 gallons</td>
</tr>
<tr>
<td>BT416</td>
<td>67.6oz</td>
<td>19,900 gallons</td>
</tr>
</tbody>
</table>

Restor
Encourages health, growth, reproduction, and vibrant coloration. Provides important nutrients to corals and their allies during periods of stress induced by changes in lighting and/or prolonged exposure to excessive water temperature (often resulting in “bleaching”). Aids in tissue repair after corals have undergone fragmenting and captive propagation.

<table>
<thead>
<tr>
<th>Code</th>
<th>Size</th>
<th>Treats</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT280</td>
<td>4oz</td>
<td>1,250 gallons</td>
</tr>
<tr>
<td>BT421</td>
<td>8.5oz</td>
<td>2,500 gallons</td>
</tr>
<tr>
<td>BT403</td>
<td>17oz</td>
<td>5,000 gallons</td>
</tr>
</tbody>
</table>

Ferrion
Highly-concentrated and stable iron solution for supplementing aquaria containing hermatypic organisms (i.e. “photosynthetic” or zooxanthellate corals, clams, and their allies), macroalgae, coralline algae, mangroves, marsh grasses, and other desirable marine algae and plants. Particularly suited to systems outfitted with a refugium or mud system.

<table>
<thead>
<tr>
<th>Code</th>
<th>Size</th>
<th>Treats</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT113</td>
<td>8.5oz</td>
<td>2,500 gallons</td>
</tr>
</tbody>
</table>

Reef Advantage Magnesium
A concentrated, optimized blend of magnesium, chloride, and sulfate salts designed to restore depleted levels of magnesium with minimal impact to the ionic ratios found in natural sea water. Reef Advantage Magnesium contains no ammonia!

<table>
<thead>
<tr>
<th>Code</th>
<th>Size</th>
<th>Treats</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC6663</td>
<td>300g</td>
<td>1,200 gallons</td>
</tr>
<tr>
<td>SC6625</td>
<td>600g</td>
<td>2,400 gallons</td>
</tr>
<tr>
<td>SC8500</td>
<td>4kg</td>
<td>16,000 gallons</td>
</tr>
</tbody>
</table>

Seachem Aquavitro

**Aquavitro Calcification**
calcification™ is a concentrated optimized blend of ionic and bioavailable gluconate-complexed calcium designed to restore and maintain calcium to levels found in natural seawater, without affecting pH. These two forms of calcium are combined in calcification™ to provide the hobbyist with a convenient way to ensure peak coral growth and health.

<table>
<thead>
<tr>
<th>Code</th>
<th>Size</th>
<th>Treats</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC6641</td>
<td>11.8oz</td>
<td>1,250 gallons</td>
</tr>
<tr>
<td>SC6692</td>
<td>34oz</td>
<td>3,600 gallons</td>
</tr>
<tr>
<td>SC6679</td>
<td>1 gal</td>
<td>14,400 gallons</td>
</tr>
</tbody>
</table>

**Aquavitro Alpha**
alpha™ removes chlorine, chloramine and ammonia. It converts ammonia into a safe, non-toxic form that is readily utilized by beneficial bacteria and reef inhabitants such as clams. alpha™ may be used during tank cycling to alleviate ammonia/nitrite toxicity. Detoxifies nitrite and nitrate, allowing the biofilter to more efficiently remove them.

<table>
<thead>
<tr>
<th>Code</th>
<th>Size</th>
<th>Treats</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC6663</td>
<td>11.8oz</td>
<td>5,250 gallons</td>
</tr>
<tr>
<td>SC6625</td>
<td>34oz</td>
<td>151,120 gallons</td>
</tr>
<tr>
<td>SC8500</td>
<td>1 gal</td>
<td>60,480 gallons</td>
</tr>
</tbody>
</table>

**Aquavitro Balance**
A frequent occurrence in reef systems is low pH, while calcium and alkalinity are at optimal levels. Raise one and the others may fall. One of the primary reasons for this is an improper carbonate/bicarbonate ratio. The buffer ratio changes as a natural consequence of the buffer’s ability to counteract acidifying sources such as organic acids (produced naturally from waste) or introduced from non-pH controlled husbandry products. In this case, adding more buffer would unnecessarily result in a rise in alkalinity and a drop in calcium. The first product of its kind, balance™ ends this see-saw effect. It resets this ratio by converting bicarbonate into carbonate in order to reassert a higher pH without affecting calcium level.

<table>
<thead>
<tr>
<th>Code</th>
<th>Size</th>
<th>Treats</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC6637</td>
<td>11.8oz</td>
<td>1,000 gallons</td>
</tr>
<tr>
<td>SC6688</td>
<td>34oz</td>
<td>2,888 gallons</td>
</tr>
<tr>
<td>SC6673</td>
<td>1 gal</td>
<td>11,552 gallons</td>
</tr>
</tbody>
</table>

**Aquavitro Fuel**
A comprehensive carbohydrate, vitamin, amino acid, polyunsaturated fatty acid, and trace element supplement developed to address nutritional requirements commonly associated with corals. Contains ascorbic acid in a base of chlorella, which contains a rich assortment of amino acids and vitamins.

<table>
<thead>
<tr>
<th>Code</th>
<th>Size</th>
<th>Treats</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC6640</td>
<td>11.8oz</td>
<td>1,500 gallons</td>
</tr>
<tr>
<td>SC6691</td>
<td>34oz</td>
<td>4,320 gallons</td>
</tr>
<tr>
<td>SC6681</td>
<td>1 gal</td>
<td>17,280 gallons</td>
</tr>
</tbody>
</table>

**Aquavitro Eight.Four**
Many competing buffers for reef aquaria are simply sodium bicarbonate. Such buffers have a pH of only 8.0 in saltwater and simply are unable to maintain a pH above 8.0. The low buffering pH is a function of the low carbonate/bicarbonate ratio. Eight.Four supplies a properly balanced (carbonate/bicarbonate) buffer system that yields an industry leading pK of 8.6 which makes pH maintenance of 8.3-8.5 easy. A higher pK increases the buffer’s ability to counteract inevitable acidic sources in the water. Will safely raise marine pH while adjusting alkalinity. Contains a concentrated, balanced blend of bicarbonate and carbonate salts to restore disrupted buffer systems and increase carbonate alkalinity.

<table>
<thead>
<tr>
<th>Code</th>
<th>Size</th>
<th>Treats</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC6636</td>
<td>11.8oz</td>
<td>1,500 gallons</td>
</tr>
<tr>
<td>SC6687</td>
<td>34oz</td>
<td>4,320 gallons</td>
</tr>
<tr>
<td>SC6671</td>
<td>1 gal</td>
<td>17,280 gallons</td>
</tr>
</tbody>
</table>

**Aquavitro Ions**
Like calcium and strontium, magnesium is used in the calcification of skeletons of reef organisms. In many cases, magnesium is used in place of calcium for calcification. In addition to its role in calcification, magnesium is used by organisms ranging from bacteria, to coralline algae to fish.

<table>
<thead>
<tr>
<th>Code</th>
<th>Size</th>
<th>Treats</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC6642</td>
<td>11.8oz</td>
<td>1,500 gallons</td>
</tr>
<tr>
<td>SC6693</td>
<td>34oz</td>
<td>4,320 gallons</td>
</tr>
<tr>
<td>SC6683</td>
<td>1 gal</td>
<td>17,280 gallons</td>
</tr>
</tbody>
</table>

**Aquavitro Salinity**
Everything you want in a salt and nothing you don’t. Guaranteed. Every bucket of salinity comes with a laboratory tested, batch specific guaranteed analysis. Most concentrated salt available. Salinity is identical to the distribution of anions and cations found in Natural Sea Water. We have compiled data from all the oceans and seas on the Earth, and have targeted the midpoint of the range for each element. We guarantee to be within +/- 3% of the midpoint.

<table>
<thead>
<tr>
<th>Code</th>
<th>Size</th>
<th>Treats</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC6900</td>
<td>120 gallon Mix</td>
<td>100 gallons</td>
</tr>
<tr>
<td>SC6686</td>
<td>225 gallon Mix</td>
<td>225 gallons</td>
</tr>
<tr>
<td>SC6694</td>
<td>1050 gallon Mix</td>
<td>1050 gallons</td>
</tr>
</tbody>
</table>
salinity™

Everything you want in a salt and nothing you don’t. Guaranteed.

Other companies tell you what is supposed to be in their salt, but every bucket of salinity™ comes with a laboratory tested*, batch specific guaranteed analysis. Another first in the industry.

Batch specific guaranteed analysis
Most concentrated salt available
Manufactured on site in Seachem’s climate controlled warehouse
Concentrations optimized for aquarium environment

*EPA Standard Method 6010

Sold exclusively in independent retail stores
**Aragoncrete Reef Plugs**
B0101 Reef Discs 20ct
B0102 Reef Discs 15ct
B0108 Reef Plugs 50ct
B0110 Ceramic Reef Plugs 20ct

**Coral Mounting Plugs**
B0109 Mounting Plugs 100ct

**Coralline Colored Reef Epoxy Putty**
BO105 2oz. Stick

**Reef Glue 2oz**
BO103

**Stainless Steel Coral Cutters**
• surgical steel
• 16cm length w/ catch & coil spring
B0106

**Surgical Stainless Steel Scalpel Holder**
B0107 w/ 4 Disposable Blades

**Aquastik Stone Grey Underwater Epoxy**
• Works on dry, damp, or wet surfaces
• Cures underwater
• Bonds to wood, glass, concrete, ceramics, acrylic, metals, and fiberglass
• Can be drilled, sanded, sawed, and machined
TLF1005 4oz

**Red Coraline Underwater Epoxy**
TLF1006 4 oz

**CorAffix Adhesive**
An ethyl cyanoacrylate bonding compound with viscosity similar to honey. Use it for attaching stony corals, gorgonians, and other sessile invertebrates in natural positions on the live rock in aquariums.
TLF1011 2 oz

**ReVive Coral Cleaner**
For cleansing live stony and soft corals, zoanthids, and anemones. It is a surface cleaning dip based on plant extracts. Use for all general purpose live coral cleansing, as a part of acclimation to aquariums when corals or anemones are first received, for rinsing prior to shipping, and for rinsing newly fragmented corals.
TLF1007 16.8 oz

**ReVive Concentrate**
A concentrated formula of the revolutionary product developed by Julian Sprung for cleansing live stony and soft corals, zoanthids, and anemones. For industrial use at stores, wholesale, and aquaculture facilities.
TLF1008 16.8 oz

**PhosBan Reactor**
Designed with the upflow principle to achieve the most efficient use of PhosBan® or other chemical filter media. By pushing water from the bottom upward through a dispersion plate, it forces an even distribution of water through the media, and prevents channeling. It can be mounted hanging on the back of the aquarium or below the aquarium. Hose barb connections are for 1/2" i.d. tubing. Includes 1/2” barbed ball valve for flow control, and hose clamps.
TLF1016 150
TLF1017 550 up to 600 gal

**PhosBan Phosphate Adsorption Media**
Synthetic ferric oxide hydroxide granules with an extremely high capacity for adsorbing phosphate from saltwater and freshwater.
TLF2003

**NPX Bioplastics®**
Granular plastic media made from biodegradable polymers. For use in a fluidized reactor or in a media bag within any filter. The slow release of organic food from these plastics promotes the development of bacteria that assimilate nitrate and phosphate. These bacteria can be harvested by protein skimmers, so that the nitrate and phosphate levels are naturally reduced. The bacteria are also a food source for filter-feeding invertebrates such as corals, clams, sponges, and feather dusters.

**HydroCarbon**
Granular activated carbon designed specifically for water purification. Removes dissolved organic compounds that turn the water yellow. The extremely porous granules are the optimum size for use in high capacity filters, allowing high flow at minimal backpressure. Positively does not leach phosphates.
TLF2002 1 L

**C-Balance**
A two-part solution for replenishing calcium and alkalinity. Adjusts calcium, magnesium and strontium ions to Natural Seawater ratios, and achieves a balanced ionic residual. Promotes the optimal conditions for stony corals and coralline algae.
TLF2001 16 oz.

**Kalkwasser**
Calcium Supplement Mix. Our pure source of Calcium Hydroxide makes the ideal solution for replenishing calcium and maintaining alkalinity, for corals, clams, and calcareous algae that build skeletons of calcium carbonate. It also helps maintain pH, precipitates phosphates and enhances protein skimming.
TLF2000 1.1 lb
Chemical Filtration Media Best Picks

**Chemi Pure**
This is simply the best carbon resin blended product on the market. Great packaging, great performance, and a name customers will know. Chemi-Pure comes in filter bags ready for use. It will remove metals, proteins and many impurities from your water that would otherwise prevent a stable environment. Formulated for the marine and serious freshwater aquarist. Tests have shown saltwater fish have spawned in 5 year old water using this amazing product. Chemi-Pure is the original Ion Filter Medium constantly improved over the years. There are counterfeits, but only one Chemi-Pure. Do not confuse Chemi-Pure with any other media on the market.

**PURA Nitratelock**
- Drastically reduces number of water changes measurable levels of nitrates
- Removes and maintains extremely low to non-fresh and saltwater
- The only true nitrate remover that works 100% in proteins, and residual medications
- Removes urine, phenols, coloring agents, odors, proteins, and residual medications

**PURA Complete**
- Use instead of plain carbon
- Removes phosphates and silicates
- Removes ammonia and formaldehyde
- Removes copper, arsenic, zinc, and heavy metals
- Removes urine, phenols, coloring agents, odors, proteins, and residual medications

**PURA Filtration Pad**
- Full spectrum chemical filtration pad
- Three powerful medias for total filtration
- Maintains low to levels of phosphate and silicates
- Removes copper, arsenic, zinc and heavy metals
- Fast removal of organics, metabolic wastes and residual medications

**PURA Carbon Hydrated Acid Washed**
- Acid washed, phosphate-free, virgin, activated carbon
- Made from the highest select grades of bituminous coal
- Specifically designed for liquid phase applications for serious freshwater aquarist.
- The lowest ash content of any carbon on the market
- Dust free

**PURA Amazon Media**
- 100% natural forest product that produces “black-water”
- Produces a rich golden colored water
- Releases enzymes that stimulate and promote root development

**Poly Filter**
No serious saltwater hobbyist will run a tank without a Polyfilter
- For filtering and purifying both fresh and saltwater aquariums.
- A formulation of a special patented material bonded to a synthetic matrix
- Removes harmful organics, toxic ammonia, heavy metals, all forms of phosphates, and medications after treatment
- Unique color changes shows removal of specific pollutants.
- Will not soften water or remove trace minerals

**Aqualife Premium Pelleted Carbon**
Premium granular carbon lasts longer, performs better
- Phosphate free
- Keeps fish and invertebrates healthy and active
- Activated reef formula
- Absorbs harmful chemicals, organics, metals, & proteins
- Removes odors & colors
- Keeps water sparkling clean
- For reefs, plants, fish, ponds, and invertebrates
- Removes pollutants that mechanical and chemical filtration leave behind
- Carbon can be used between filter floss, pads, inside filter bags, or in canister filters

**Aqualife Scientific Grade Carbon Bulk per pound**
Removes dissolved organic contaminants such as tannins and phenols from marine and freshwater aquariums to make water sparkle. Heat activated bituminous coal will not leach phosphates. This carbon is tremendously efficient - a great value. Rinse well under fresh running tap water.

**Filter Media Bags**
Made from 1/8” micro mesh with tie string near top of bag. Great for larger pelleted carbon and nitrate removers needed to cleanse and improve water quality. Durable material and tie string make these bags reusable and keep you from having to purchase new media bags every time you add or replace biological media.
What’s black and white and red AND used all over?

Two Little Fishies
**PhosBan® Reactor 150.**
for aquariums up to 150 gallons

What’s More?

Two Little Fishies
**PhosBan® Reactor 550.**
The New media reactor for aquariums up to 600 gallons

Our PhosBan Reactors are designed with the upflow principle to achieve the most efficient use of PhosBan® or other chemical filter media. By pushing water from the bottom upward through a dispersion plate, they force an even distribution of water through the media. Mount them on the back of the aquarium or below it. Each reactor includes a ball valve for regulating flow, and flexible connection fittings that rotate 180 degrees to allow a perfect custom fit to your installation. The threaded lid design makes servicing quick and easy.

What’s New?

Two Little Fishies
**KW Reactor® 300.**
for aquariums up to 300 gallons

Our KW Reactor mixes top-off water with calcium hydroxide, achieving the most efficient use of Kalkwasser without the added expense and maintenance worries of a separate mixing motor or dosing pump. Use with just a standard aquarium powerhead. Mount it on the back of the aquarium or below it. Each reactor includes a check valve and flexible connection fittings that rotate 180 degrees to allow a perfect custom fit to your installation. The threaded lid makes servicing quick and easy.

What’s Next?

For optimal results, operate your KW Reactor with Two Little Fishies **Kalkwasser**, the highest purity, highest efficacy calcium hydroxide. Available in 1lb, 4lb, and 25lb sizes.

For optimal results, operate your PhosBan Reactor with Two Little Fishies **PhosBan** granular iron-based phosphate adsorber. Available in 150 g, 454g, 1200g, 6 kg, and larger bulk sizes.

Patent-pending design by Julian Sprung.
Making water pure and fish healthier for over 50 years.

You'll enjoy healthier fish and a more maintenance-free aquarium when you use Boyd's time-tested aquarist products. From ultra-nutritious fish food, to fast acting bacteria and algae removers, you're getting the absolute best products available.

Count on Boyd to keep your marine and freshwater aquariums sparkling clean and wonderfully healthy.

For more information, call us:
865-588-0108

www.chemipure.com
Reef Fusion™ 1 & 2 – Even easier than 1, 2, 3...

- The most concentrated two part system for maintaining calcium and carbonate alkalinity
- Easy 1:1 dosing
- 100,000 mg/L of calcium
- Alkalinity at 4400 meq/L

Reef Fusion 1™ provides not only 100,000 mg/L of ionic calcium, but also includes biologically appropriate levels of magnesium, strontium, boron, iron, manganese, and molybdenum.

Reef Fusion 2™ contains a mixture of carbonates and bicarbonates at an alkalinity of 4400 meq/L. It is designed to restore and maintain alkalinity in the reef aquarium and provide calcareous species with the essential carbonate needed for growth.

www.seachem.com
Aquavitro Vibrance
Iodide is a critical element for the health and formation of soft tissue in invertebrates (such as gorgonians, sarcophyton, etc.). It has also been shown to be critical for the development of pigments in corals, corallimorpharia, and anemones, both the golden brown of zooxanthellae and the green and red colors of accessory pigments. Most iodide supplements on the market are simply potassium iodide. When added to an aquarium environment, iodide becomes unstable converting to elemental iodine (which is biocidal) and iodate (which is useless to corals, toxic at elevated levels, and can’t be tested for). Iodide is the only form of iodine available to corals for uptake. Because of this instability, iodide must be stabilized for aquarium use. vibrance™ is a highly concentrated (10,000 mg/L) naturally stabilized potassium iodide source for reef aquaria that will restore and maintain iodide levels to those found in natural sea water.

**Saltwater Aquarium Best Picks**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Size</th>
<th>Treats</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC6639</td>
<td>11.8oz</td>
<td>8,750 gallons</td>
</tr>
<tr>
<td>SC6690</td>
<td>34oz</td>
<td>25,200 gallons</td>
</tr>
<tr>
<td>SC6677</td>
<td>1gal</td>
<td>100,000 gallons</td>
</tr>
</tbody>
</table>

**Freshwater Aquarium Best Picks**

Neutral Regulator
Adjusts pH to neutral (pH 7.0) from either a low or high pH and maintains it there. It softens water by precipitating calcium and magnesium while removing any chlorine, chloramine, or ammonia. The use of Neutral Regulator makes other conditioning unnecessary. To lower pH below 7.0 use Neutral Regulator with Acid Regulator (or Discus Buffer). To raise pH above 7.0 use with Alkaline Regulator. All of these products will enhance and stabilize the freshwater aquarium environment. Use Fresh Trace to restore the proper level of trace elements required by thriving, healthy freshwater community fish.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Size</th>
<th>Treats</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC3292</td>
<td>50g</td>
<td>200 gallons</td>
</tr>
<tr>
<td>SC2381</td>
<td>250g</td>
<td>1000 gallons</td>
</tr>
<tr>
<td>SC3000</td>
<td>500g</td>
<td>2000 gallons</td>
</tr>
<tr>
<td>SC3084</td>
<td>1kg</td>
<td>4000 gallons</td>
</tr>
<tr>
<td>SC2382</td>
<td>4 kg</td>
<td>16,000 gallons</td>
</tr>
</tbody>
</table>

**Discus Aquarium Best Picks**

Discus Buffer
Helps to replicate the ideal Discus environment (low pH & low GH (General Hardness)). Discus Buffer will lower pH and keep it lowered. Discus Buffer also softens water by precipitating calcium and magnesium. Use Discus Trace to restore the proper level of trace elements required by thriving, healthy Discus.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Size</th>
<th>Treats</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC2387</td>
<td>50G</td>
<td>160 gallons</td>
</tr>
<tr>
<td>SC365</td>
<td>250g</td>
<td>800 gallons</td>
</tr>
<tr>
<td>SC2388</td>
<td>500G</td>
<td>1,600 gallons</td>
</tr>
<tr>
<td>SC4182</td>
<td>1KG</td>
<td>3,200 gallons</td>
</tr>
<tr>
<td>SC4183</td>
<td>4KG</td>
<td>12,800 gallons</td>
</tr>
</tbody>
</table>

**Cichlid Aquarium Best Picks**

Tanganyika Buffer
A blend of carbonate salts designed to enhance the natural environment of cichlids by increasing hardness, buffer capacity, and pH. It is formulated to maintain a pH of 9.0–9.4. For optimum replication of the Tanganyikan environment, use with Cichlid Lake Salt and Cichlid Trace.

**DiscusCode trace mineral supplement for Discus**
Unique complex that provides trace and minor elements in ratios found to be beneficial to discus and other fishes that share the same waters of origin.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Size</th>
<th>Treats</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT396</td>
<td>250 ml / 8.5 fl. oz</td>
<td>2,500 gallons</td>
</tr>
</tbody>
</table>

Amazon Rain
Conditioner for Discus and Soft Water Fish. Amazon Rain is especially formulated for hard to keep “soft water” fish such as Discus, Tetras, Severums and Angels. Unlike other “extracts” on the market, Amazon Rain contains all of the necessary components such as calcium carbonates, bicarbonates and trace elements to help maintain a stable pH, resist pH change and provide the proper water chemistry for a successful South American style aquarium.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Size</th>
<th>Treats</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRS7108</td>
<td>5 oz</td>
<td>2500 gallons</td>
</tr>
<tr>
<td>TRS7109</td>
<td>14.5 oz</td>
<td>2500 gallons</td>
</tr>
</tbody>
</table>

**BlackWater Conditioner**
Establishes similar water conditions to those found in blackwater rivers, many of which are home to important aquarium fishes and plants. May be used to help simulate the onset of the rainy season for encouragement of fish spawning.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Size</th>
<th>Treats</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT386</td>
<td>1000 gallons</td>
<td></td>
</tr>
</tbody>
</table>

RainboCode trace mineral supplement for Rainbowfish
Unique complex that provides trace and minor elements in ratios found to be beneficial to rainbowfish and other fishes that share the same waters of origin.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Size</th>
<th>Treats</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT401</td>
<td>250 ml / 8.5 fl. oz</td>
<td>2,500 gallons</td>
</tr>
</tbody>
</table>

**Marine Buffer**
Marine Buffer will safely raise marine pH to 8.3. It will not raise pH above 8.3 even if inadvertently overdosed. Marine Buffer contains sodium, magnesium, calcium, strontium, and potassium salts of carbonate, bicarbonate, chloride, sulfate, and borate. Use Seachem’s MultiTest: Marine pH & Alkalinity to check pH and total alkalinity. Use Marine Trace to restore the proper level of trace elements required by thriving, healthy saltwater fish.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Size</th>
<th>Treats</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC366</td>
<td>250g</td>
<td>1,000 gallons</td>
</tr>
<tr>
<td>SC2383</td>
<td>500g</td>
<td>2,000 gallons</td>
</tr>
<tr>
<td>SC2925</td>
<td>1kg</td>
<td>4,000 gallons</td>
</tr>
<tr>
<td>SC351</td>
<td>4kg</td>
<td>16,000 gallons</td>
</tr>
</tbody>
</table>

**CichlidCode trace mineral supplement for African Cichlids**
Unique complex that provides trace and minor elements in ratios found to be beneficial to cichlids and other fishes endemic to Lakes Victoria, Malawi, and Tanganyika.

**BlackWater Conditioner**
Establishes similar water conditions to those found in blackwater rivers, many of which are home to important aquarium fishes and plants. May be used to help simulate the onset of the rainy season for encouragement of fish spawning.

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</thead>
<tbody>
<tr>
<td>BT386</td>
<td>1000 gallons</td>
<td></td>
</tr>
</tbody>
</table>

RainboCode trace mineral supplement for Rainbowfish
Unique complex that provides trace and minor elements in ratios found to be beneficial to rainbowfish and other fishes that share the same waters of origin.

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<tr>
<th>Product Code</th>
<th>Size</th>
<th>Treats</th>
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<tbody>
<tr>
<td>BT401</td>
<td>250 ml / 8.5 fl. oz</td>
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</table>

**Discus Buffer**
Helps to replicate the ideal Discus environment (low pH & low GH (General Hardness)). Discus Buffer will lower pH and keep it lowered. Discus Buffer also softens water by precipitating calcium and magnesium. Use Discus Trace to restore the proper level of trace elements required by thriving, healthy Discus.

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<td>SC365</td>
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**BlackWater Conditioner**
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<tr>
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<td></td>
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</table>

RainboCode trace mineral supplement for Rainbowfish
Unique complex that provides trace and minor elements in ratios found to be beneficial to rainbowfish and other fishes that share the same waters of origin.

<table>
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<tr>
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</thead>
<tbody>
<tr>
<td>BT401</td>
<td>250 ml / 8.5 fl. oz</td>
<td>2,500 gallons</td>
</tr>
</tbody>
</table>
Constantly Supplying The Aquatic Market With New Technology
**Controllers and Monitors Best Picks**

**Milwaukee CO2 Regulator, Solenoid Valve and Bubble Counter**
- Flow regulator
- Needle valve
- Electronic solenoid
- Bubble counter
- Unit comes with dual gauges each with dual reading of both psi & kg/cm.
- Left gauge meters tank capacity and right gauge meters flow.
- Needle valve flow control provides for precise measurement.
- The solenoid valve comes with a 1.5 meter power cord. (CO2 bottle is not included)

**ORP/Redox Probe**
Replacement probe for ORP/Redox meters. Double junction, platinum ORP electrode with 2m cable for SMS510.

**pH Electrode**
Double junction gel filled pH electrode with 2m cable
- Plastic body
- Gel filled
- BNC connector
- 2.2m cable - gel filled
- BNC connector
- 2.2m cable

**Stationary CO2 pH Solenoid Valve Kit**
Solenoid Valve with 1 meter of cable for use with Stationary pH controller.

**Refractometer with auto temp compensation**
The most accurate way to check salt levels in fresh or saltwater systems. No serious reef keeper or aquarium store is without one. Great for calibrating hydrometers.

**Stationary ORP Monitor & Controller**
ORP monitor with controller and visual LED display. Alarm and power plug socket for automatic dosing.

**Stationary pH monitor and controller**

**Lux Light Meter with Waterproof Probe**
- Portable
- Fully submersible
- Designed to perform from the bottom of an aquarium
- Light sensor connected to the meter that measures from 0 to 5000 Lux

**Martini Waterproof pH/C Tester with 2 point automatic calibration**
- pH dual level LCD tester
- Automatic temperature compensation
- 2 point automatic calibration
- Plus or minus pH accuracy
- Range: -2.00 to 16.00 pH

**Milwaukee PH Buffer Solutions**
Sachets are sealed against light and air
- Ideal for on-the-spot calibration.

**Milwaukee Phosphate Low Range Photometer**
Milwaukee offers MI412 with range 0.00 to 2.50mg/L. Supplied in hard carrying case including 2 cuvettes, reagents, wiping tissue and instruction manual.

**Reagent Kit for Phosphate Low Range Photometer**

**Smart Portable Dissolved Oxygen Meter w ATC**
- Simple to use and low cost
- Manual 1 or 2 point calibration
- Low battery indicator
- Automatic Temperature Compensation

**Smart Portable pH Meter with ATC and display**
- Portable
- Automatic calibration and temperature compensation.
- Battery life 250 hours.
- High accuracy
- Cloth junction electrode with 1 meter cable
- Automatic 2 point calibration
- Automatic Temperature Compensation

**Refractometer with auto temp compensation**
The most accurate way to check salt levels in fresh or saltwater systems. No serious reef keeper or aquarium store is without one. Great for calibrating hydrometers.

**Lux Light Meter with Waterproof Probe**
- Portable
- Fully submersible
- Designed to perform from the bottom of an aquarium
- Light sensor connected to the meter that measures from 0 to 5000 Lux

**Milwaukee TDS Calibration Solution**
- Sealed against light and air
- Ideal for on-the-spot calibration
DREAMS COME TRUE!

Get good margins on Azoo products and add sales you're missing!

Mr. Aqua Frameless Glass Aquariums & Elm Wood Stands. Featuring the Retina 1 LED Light.

Visit www.aqualifesupport.com for more unique nano tanks and other Azoo products.

www.mraqua.net
**BioMagnet Clarifier**
Imparts a positive electrical charge as a bacterial attractant. This unique formula quickly seeks out and encapsulates the suspended particles, enabling the positively charged particles to be drawn to the filter. Particles caught in the filter are broken down by bacteria, and suspended bacteria are now repositioned onto strata where they are most efficient. The result? Crystal clear water, fast... and a better biological filter!

**CS1014** 8oz Treats approx 1,000 gallons
**CS1007** 16oz Treats approx 2,000 gallons

**Clarity**
The ultimate clarifier for both fresh and saltwater. It employs an advanced polymeric flocculating agent that is both reef and plant safe. Clarity™ is the only clarifier on the market that does it all! Clears all types of clouding: bacterial and other biological type blooms, chemical clouding, and particulate clouding (i.e. stirred up gravel bed).

**SC855 500ml**

**Maximum-Density Live Nitrifying Bacteria**
Live nitrifying bacteria highly concentrated, pure blend of nitrosomonas and nitrobacter bacteria for super-quick cycling and establishment of biological filter. Non-pathogenic. No heterotrophic 'filter' bacteria. More than four times the amount of nitrifiers than other product on the market.

**TR57206** 2oz Treats 120 gallons
**TR57207** 5oz Treats 308 gallons
**TR57282** 14.5oz Treats 860 gallons

**Nitromax Marine**
Maximum-Density Live Nitrifying Bacteria.
- Protects Against Ammonia Build-up
- Reduces Cycling Time in New Aquariums
- Rapidly Reduces Ammonia and Nitrite Levels
- Allows More Fish to be Added to an Aquarium
- Oxy-Boost Nourishes Bacteria for a Quick Start
- Colonizes all Filters for Optimal Water Quality
- 16 oz (treats 1900 gallons)

**TRS7200** 8oz Treats 215 gallons
**TRS7299** 16oz Treats 425 gallons

**Marine Aquarium Starter**
- Activates biological filters
- Reduces startup time
- Matures new tanks
- Removes ammonia and nitrates
- Cleans biological filters
- Reduces waste build-up
- Improves water quality

**GC4507** 4oz Treats 500 gallons
**GC4392** 8oz Treats 1,000 gallons

**Freshwater Aquarium Cleaner**
- Cleans Aquariums
- Removes fish waste
- Removes uneaten food
- Improves fish health
- Cleans biological filters
- Reduces waste build-up
- Improves water quality

**GC4393** 4oz Treats 500 gallons
**GC4391** 8oz Treats 1,000 gallons

**Test Kits Best Picks**

**Ammonia Alert**
Ammonia Alert is an innovative color device for continuously detecting and monitoring toxic free ammonia. A sensor changes reversibly from yellow to green to blue, relative to the ammonia concentration. No test kits, chemicals, or procedures are needed.

**SC6626**

**MultiTest Iodine & Iodide Test Kit**
Measures iodine or iodide to less than 0.005 mg/L. MultiTest™ Iodine/Iodide performs over 75 tests and contains a reference sample for validation.

**SC866**

**MultiTest Iron Test Kit**
Measures iron in freshwater or marine water to less than 0.05 mg/L. Can also measure chelated iron. MultiTest™ Iron performs over 75 tests and contains a reference sample for validation.

**SC867**

**Reef Status: Calcium Test Kit**
Four kits in one! Tests for magnesium through a titration based procedure in increments of 12.5 mg/L. Tests for carbonate alkalinity, borate alkalinity and total alkalinity in 0.1 meq/L resolution through a titration based procedure. The kit resolves borate from carbonate and, along with magnesium, this presents a clear picture of the tank’s buffering capacity as well as a very reliable determination of the critical carbonate content required for coral and coraline growth. Each kit runs 150 tests.

**SC868**

**Reef Status: Magnesium and Borate, Carbonate, & Total Alkalinity Test Kit**
Measures all types of calcium, including gluconate calcium. The method is based on specific titration with a unique indicator. Measures in increments of 5 mg/L. Each kit runs 150 tests.

**SC869**

**Aquatic Life Ammonite Hydrometer**
Easy-to-read colors and aesthetic appeal! The Ammonite shaped hydrometer from AquaticLife™ integrates a scale for accurate measurement of salinity in a reef or marine aquarium. The yellow needle above the blue background provides easy observation for the beginner or advanced marine hobbyist. It uses a patented water-fill design which allows the water to enter from the bottom of the unit, thus reducing the amount of bubbles that can stick to the measuring needle. This design produces an accurate salinity reading in a very functional and aesthetic package.

**AF168**

**Floating Hydrometer Thermometer**
- For aquariums
- Floating Type
- Ideal level between 1.020-1.025

**WCA2007**

www.aqualifesupport.com
865-588-0108

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The Penn-Plax name is universally recognized for innovative, quality-made and packaged pet products. This family-owned business has never lost sight of its roots as a neighborhood pet shop over 50 years ago. This experience has resulted in creative products that generate sales - for the first time pet owner or the serious hobbyist.

Just look over some of our recent lines in the Aquarium Category.... exciting and unique for your customers and profitable for you.

**Penn-Plax**

**Cascade**
- **CANISTER FILTERS**
  - Combining All The Features Of The Most Popular Canisters In A Sturdy, Simple To Use Line Of Filters
- **Cascade**
  - **HANG-ON POWER FILTERS**
    - A Complete Line - Well Designed And Easy To Operate
  - **INTERNAL FILTERS & HEATERS**
    - Sizes For Every Need

**airPod**
- **AQUA PUMPS**
  - Beautiful Design - Reliable Performance

**AQUA-PLANT**
- **Jungle-Pods**
  - Plastic Plants with Decorative Heavyweight Bases

**Aqua Life**
- **MEDIEVAL CASTLES & TREASURE CHESTS**
  - The Latest Designs - In Classic Aquarium Ornaments

**Sinkers**
- **SINKER PLANTS**
  - Heavy-Weight Base Keeps Plants Down

**Balanced**
- **FISH & POND FOOD**
  - A Complete Line in Easy to Use Single Serving Package

**ADD SALES AND PROFITS TO YOUR STORE**

Talk to your Aqua-Life Support Representative about how you can have access to the Penn Plax line of money making products.
Aqua Plant Sinker
Plants that stay put!

Blooming Ludwigia Large 11”
PP7816

Water Lily White Medium 8.5”
PP7812

Mixed Garden Corkscrew Val &
Club Moss Blossom Sm
PP7865

Sinker Flowering Crypt Large 10”
PP7827

4-Piece Variety Value Pack Green
PP7862

CorkscREW Valencia Medium 8.5”
PP7814

Penn Plax SpongeBob Resin Ornaments

Gary
PP7832

Mr. Krabs
PP7833

Patrick
PP7834

Plankton
PP7835

Sandy
PP7836

SpongeBob
PP7837

Pineapple House
PP7857

Squidward
PP7838

Aerating Resin Ornament
PP7962

SpongeBob and
Patrick in Sand
PP7858

SpongeBob and
Jellyfish
PP7859

Aerating Snorkeling Ornament
PP7964

Krusty Krab
Resin Ornament
PP7966

SpongeBob in Chair
PP7970

Mrs. Puff and
SpongeBob in Boat
PP7973

Mopani Wood
• Beautiful, two-color African hardwood
• Use with aquarium plants to create the
naturalistic aquarium look
• One of the hardest and densest woods available
• Sinks immediately
• Will not rot

ZM2000 6-8”
ZM2001 10-12”
ZM2002 16-18”
ZM2003 20-24”

OSI Ornaments

Cannon Air Operated
6.3x4.9x3.7
OSI8809

Cannon Ornament
OSI8542

Column Ruins Med
OSI8549

Column Ruins Sm
OSI8550

Dinosaur Skull
OSI8816

Galleon
OSI8530

Half Tree Stump Med
8.8x5.9x5.3
OSI8813

Mountain with Trees Tall
#2 9.3x5.7x14.6
OSI8812

Mountain with Trees-2
9.3x5.9x10.
OSI8806

Mountain with Trees-3
13.2x7.3x12
OSI8807

Rough Bark Tree Stump Lg
OSI8536

Smooth Bark Tree Stump Med
OSI8535

Smooth Bark Tree Stump Sm
OSI8533

Smooth Bark Tree Stump XL
OSI8532

Tree Stump Rough Med
7.5x4.3x7.1
OSI8802

Tree Stump with Plant
5.5x4.5x8.1
OSI8800

Aerating Patrick
Lounging Ornament
PP7965

Rock with Plants
12.2x4.1x8.9
OSI8811

Tree Trunk XL
10.2x7.1x14
OSI8804

Two-Part Battleship
OSI8529

Two-Part
Galleon
OSI8528

Tree Trunk Large
1.2x7.1x14
OSI8803

Centerpiece Rock with Plants
18.3x4.9x9.6
OSI8810

Galley
OSI8531

Half Tree Stump Med
OSI8813

Mountain with Trees Tall
#2 9.3x5.7x14.6
OSI8812

Mountain with Trees-2
9.3x5.9x10.
OSI8806

Mountain with Trees-3
13.2x7.3x12
OSI8807

Rough Bark Tree Stump Lg
OSI8536

Smooth Bark Tree Stump Med
OSI8535

Smooth Bark Tree Stump Sm
OSI8533

Smooth Bark Tree Stump XL
OSI8532

Tree Stump Rough Med
7.5x4.3x7.1
OSI8802

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Lounging Ornament
PP7965

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12.2x4.1x8.9
OSI8811

Tree Trunk XL
10.2x7.1x14
OSI8804

Two-Part
Galleon
OSI8528

Tree Trunk Large
1.2x7.1x14
OSI8803

Centerpiece Rock with Plants
18.3x4.9x9.6
OSI8810

Galley
OSI8531

Half Tree Stump Med
OSI8813

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#2 9.3x5.7x14.6
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9.3x5.9x10.
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Mountain with Trees-3
13.2x7.3x12
OSI8807

Rough Bark Tree Stump Lg
OSI8536

Smooth Bark Tree Stump Med
OSI8535

Smooth Bark Tree Stump Sm
OSI8533

Smooth Bark Tree Stump XL
OSI8532

Tree Stump Rough Med
7.5x4.3x7.1
OSI8802

Tree Stump with Plant
5.5x4.5x8.1
OSI8800
Flourish Excel
Flourish Excel is a source of bioavailable organic carbon. All plants require a source of carbon. Flourish Excel also has iron reducing properties which promote the ferrous state of iron (Fe+2), which is more easily utilized by plants than ferric iron (Fe+3). Flourish Excel is an integral component of Seachem’s plant products and is recommended for use with the entire Flourish line as well as our Flourite and Onyx Sand substrates.

SC6619 250ml Treats 100 gallons
SC6630 500ml Treats 200 gallons
SC6635 2Litter Treats 8000 gallons

Flourish Iron
A highly concentrated ferrous iron gluconate supplement. It should be used in those cases where the iron requirements exceed that which can be delivered by Flourish at the recommended dose or signs of iron deficiency appear (such as short and slender stems or yellowing between veins).

SC6620 250ml Treats 300 gallons

Flourish Potassium
Contains 50,000 mg/L of potassium suitable for the natural planted aquarium. Potassium is one of several elements that are vitally important to maintaining a vigorous level of growth in a planted aquarium. Potas-

ium can become depleted in a rapidly growing system or when the source water has a low mineral content. In these cases potassium could become the limiting factor to growth. Use Flourish Potassium to prevent potas-

sium depletion (signs of which include yellowing in older leaves) and maintain the highest level of growth.

SC2389 250ml Treats 300 gallons

Flourish Tabs
Growth stimulating tablets for plant roots. They contain essential trace elements, amino acids, and vitamins. They are rich in iron, manganese, magnesium, calcium, potassium, inositol, choline B12, biotin, and other factors that have been determined to be beneficial to aquatic plant roots.

SC2390 10 count

Garlic Guard
An appetite/flavor enhancer for freshwater and saltwater fish. GarlicGuard™ will help renew the interest of poor or finicky eaters. GarlicGuard™ contains the naturally derived, active ingredient found in garlic, allicin, which has been demonstrated to possess health promoting benefits.

SC6660 250ml

Marine Max
Marine Max: disease preventative & vitamin supplement
- Contains billions of special “bacterial bodyguards”
- Protects against Ick & other common diseases
- Fights off oxidizers that cause premature death
- Contains pharmaceutical-grade aquatic vitamins
- Formulated with a balanced anti-oxidant complex

TR57111 8oz Treats 425 gallons
TR57129 16oz Treats 950 gallons
**AquaLife Pond Products**

**for complete listing of all of our pond products, see our website**

---

**Pondmaster Air Pump**
The A-P series air pumps have been designed to satisfy the requirements of a multitude of water related applications. All AP series pumps operate on 110 volts and come with a 6" power cord. The non-oil lubricated motor is designed to operate efficiently and save energy. For outdoor applications, it is recommended that the unit be enclosed to protect it from the elements. Great for oxygenating ponds and aquariums. Multi line outlet included.

<table>
<thead>
<tr>
<th>Model</th>
<th>Power</th>
<th>Flow Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA8802</td>
<td>AP-20</td>
<td>200 gph</td>
</tr>
<tr>
<td>DA8860</td>
<td>AP-40</td>
<td>400 gph</td>
</tr>
<tr>
<td>DA8880</td>
<td>AP-60</td>
<td>600 gph</td>
</tr>
<tr>
<td>DA8881</td>
<td>AP-80</td>
<td>800 gph</td>
</tr>
</tbody>
</table>

---

**Algae Control**

**AquaLife Barley Straw Extract 2-in-1 with Cleaning Bacteria**
This unique formulation combines all the benefits of a concentrated barley extract with beneficial cleaning bacteria. This 2-in-1 formula provides not only great value but has been formulated for year round use.

**Microbe-Lift Barley Straw Pellets Plus**
Combines all the benefits of barley with 5 beneficial strains of water cleaning and sludge cleaning bacteria. The high concentration of bacteria, barley flakes, and unique dry formula is delivered in easy dissolvable pouches that can be placed in the filter, pond, or stream. This is great for pond keepers who want only one product and a premium product. Pond Cleaner Plus Packs is a formulation of beneficial pond bacteria combined with powdered Barley Straw.  

<table>
<thead>
<tr>
<th>Model</th>
<th>Package</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>AL8328</td>
<td>16 oz</td>
<td>Treats 16,000 gallons</td>
</tr>
</tbody>
</table>

---

**Black Lagoon Shading Agent for Garden Ponds**
Black Lagoon - Easy to use colorant for all ponds and water gardens. Instantly adds beauty and mystery, while shading the water from sunlight. Safe for all fish and plants. Will not discolor aquatic plants or fish. Black Lagoon colors pond water an attractive black that shades the water and reduces the growth of unsightly algae. Also makes fish less visible to herons and other predators.

<table>
<thead>
<tr>
<th>Model</th>
<th>Package</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>AL4000</td>
<td>16 oz</td>
<td>Treats up to 12,000 gallons</td>
</tr>
</tbody>
</table>

---

**Microbe-Lift Algaway**
Algaway will keep your pond algae free and is safe for both fish and plants! It will kill most planktonic, filamentous, and mat algae quickly and efficiently. Algaway is a blend of naturally occurring organisms that will balance the ecosystem in your pond, break down the dead algae, cycle the pond, break down bottom sediments, and eliminate odors.

<table>
<thead>
<tr>
<th>Model</th>
<th>Package</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>EL109</td>
<td>8 oz</td>
<td>Treats 2,839 gallons</td>
</tr>
<tr>
<td>EL110</td>
<td>16 oz</td>
<td>Treats 5,678 gallons</td>
</tr>
<tr>
<td>EL111</td>
<td>32 oz</td>
<td>Treats 11,356 gallons</td>
</tr>
<tr>
<td>EL112</td>
<td>1 gal</td>
<td>Treats 45,424 gallons</td>
</tr>
</tbody>
</table>

---

**Microbe-Lift Barley Straw Pellets Plus**
Chemically matures it like it would if aged through the introduction of rain and runoff water passing through decaying vegetation. The pellets sink to the bottom within minutes and dissolve quickly. May turn pond a tea-color for 10-14 days and does leave a residue from the peat. Provides a buffering agent and ion attenuation in lined ponds that additionally gives them some beneficial properties of earthen ponds!

<table>
<thead>
<tr>
<th>Model</th>
<th>Package</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>EL104</td>
<td>2.2 lb</td>
<td>Treats 2,850 gallons</td>
</tr>
<tr>
<td>EL105</td>
<td>4.4 lb</td>
<td>Treats 6,000 gallons</td>
</tr>
</tbody>
</table>

---

**Microbe-Lift Bio-Blue Enzymes & Pond Colorant**
Specially formulated to safely color lakes, lagoons, decorative ponds, fountains, and water features a beautiful shade of blue. Will not stain birds, fish, pond rocks, or most concrete fountains once diluted. Add one ounce per 500 gallons.

<table>
<thead>
<tr>
<th>Model</th>
<th>Package</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>EL135</td>
<td>8 oz</td>
<td>Treats 4,000 gallons</td>
</tr>
<tr>
<td>EL136</td>
<td>16 oz</td>
<td>Treats 8,000 gallons</td>
</tr>
<tr>
<td>EL137</td>
<td>1 gal</td>
<td>Treats 32,000 gallons</td>
</tr>
</tbody>
</table>

---

**Microbe-Lift Bio-Black Enzymes & Pond Colorant**
Specially formulated to safely color reflecting ponds black. Will not stain birds, fish, pond rocks, or most concrete fountains once diluted. Add one ounce per 500 gallons.

<table>
<thead>
<tr>
<th>Model</th>
<th>Package</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>EL138</td>
<td>8 oz</td>
<td>Treats 4,000 gallons</td>
</tr>
<tr>
<td>EL139</td>
<td>16 oz</td>
<td>Treats 8,000 gallons</td>
</tr>
</tbody>
</table>

---

**Microbe-Lift Concentrated Barley Straw Extract + Peat**
All the benefits of Concentrated Barley Straw Extract PLUS added liquid peat to help maintain an ideal pH in alkaline ponds! Rich in organic peat which softens pond water, reducing nitrate and phosphate concentrations in the water column - and provides a buffering agent and ion attenuation in lined ponds that additionally gives them some beneficial properties of earthen ponds!

<table>
<thead>
<tr>
<th>Model</th>
<th>Package</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>EL132</td>
<td>8 oz</td>
<td>Treats 6,250 gallons</td>
</tr>
<tr>
<td>EL133</td>
<td>16 oz</td>
<td>Treats 12,500 gallons</td>
</tr>
<tr>
<td>EL134</td>
<td>32 oz</td>
<td>Treats 25,000 gallons</td>
</tr>
</tbody>
</table>

---

**Microbe-Lift Flocculant Plus Water Clarifier**
A proprietary formulation (polymeric blend) 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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Package</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>EL155</td>
<td>16 oz</td>
<td>Treats 2,400 gallons</td>
</tr>
<tr>
<td>EL156</td>
<td>32 oz</td>
<td>Treats 4,800 gallons</td>
</tr>
<tr>
<td>EL157</td>
<td>1 gal</td>
<td>Treats 19,000 gallons</td>
</tr>
</tbody>
</table>

---

**Clear Water Barley Straw Planter**
Cleans ponds by reducing particles and odors. To find your pond’s volume, use the formula:

\[ \text{Volume} = \text{Length} \times \text{Width} \times \text{Depth} \times \text{Multiply} \]

6.5

For best results, treat your pond with mini bales throughout the year.

<table>
<thead>
<tr>
<th>Model</th>
<th>Package</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>SU7099</td>
<td>3 oz</td>
<td>Treats 500 gallons</td>
</tr>
<tr>
<td>SU7100</td>
<td>8 oz</td>
<td>Treats 1,500 gallons</td>
</tr>
<tr>
<td>SU7101</td>
<td>14 oz</td>
<td>Treats 4,000 gallons</td>
</tr>
</tbody>
</table>

---

**Clear Water Barley Straw**
Cleans ponds by reducing particles and odors. For best results, treat your pond with mini bales throughout the year.

<table>
<thead>
<tr>
<th>Model</th>
<th>Package</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>SU7102</td>
<td>2 mini bales</td>
<td>Treats 1,000 gallons</td>
</tr>
<tr>
<td>SU7094</td>
<td>2 bales</td>
<td>Treats 2,000 gallons</td>
</tr>
<tr>
<td>SU7103</td>
<td>large bale</td>
<td>Treats 5,000 gallons</td>
</tr>
</tbody>
</table>

---

**Contact Details**

[www.aqualifesupport.com](http://www.aqualifesupport.com)  
865-588-0108
• Dechlorinators and Water Conditioners •

AquaLife Complete Water Conditioner
- Promotes Healing
- Replaces Slime Coat
- Removes Chlorine, Ammonia, and Chloramines
- Detoxifies Nitrite and Heavy Metals
- Adds Essential Electrolytes
- Boosts Alkalinity
- Works Instantly
AL102 16oz Treats 960 gallons
AL103 1gal Treats 7680 gallons
AL104 5gal Treats 38,400 gallons

AquaLife DeChlorit
- Removes chlorine instantly
- Breaks down chloramines
- Does not affect beneficial nitrifying bacteria
- Phosphate and nitrate free
- Promotes healthy ponds
- Safe for all pond animals and plants
AL8343 16oz Treats 7568 gallons

AquaLife Water Garden Cleaner ASF
For cleaning and sludge removal for crystal clear ponds year round. This formula provides not only great value but has been formulated for year round use. The proprietary fermentation process reduces odors and prevents the need to purchase a different product at every change of season. Available only through authorized AquaLife Dealers.
- Contains 5 species of beneficial pond bacteria
- Reduces maintenance
- All-natural formula of beneficial pond and aquarium bacteria
- Eliminates fish wastes, excess fish food, toxic ammonia and nitrite, problem-causing nitrate and phosphate, and odors
- Use year-round in koi ponds
- Reduces the need for water changes by biologically cleaning the gravel and clearing water - week after week, month after month
Apply 4oz. per 1000 gallons of water. Apply every 1-2 weeks, or as needed. Maintain proper aeration. Made in the USA.
AL8341 32oz Treats 16,000 gallons
AL8342 1gal Treats 64,000 gallons

• Filter Media •

DLS Filter Media 36” Wide per ft
DLS filter mesh is sold by the linear foot. The roll is 3 feet wide. Conforms to nearly any shape. Great for all around bio- and pre-filtration. Use in canister filters, pond intake screens, and trickle filters. High surface area and efficient.
AL2703

1”X12” Bonded Filter Pad Per Ft
This padding has been designed and manufactured to our specifications. It is more dense, phenol and formaldehyde free. Bonded with a clear coating to increase reliability, and efficiency but still white so you know when to replace it. Cut to fit filters in width. 135 ft per roll
AL5148 Poly Padding/ft
AL5148R Poly Padding/Roll

Green Coarse Filter Media Pad
This material is made to our specifications for biological and heavy mechanical filtration. This is the replacement padding for larger pond filters including the pond surface skimmers and waterfall filters. 2 sizes.
AL204 24” x 24” x 2” Pad
AL205 36” x 36” x 2” Pad

Reticulated Blk Foam 1” 20-3/8” x 11-5/8”
Manufactured specifically for aquarium and pond filters. Perfectly sized for Pond Beast and Mini Breast Filters.
- Porous design
- Resists clogging
- Easily cleaned
- Material may be cut to custom fit filters
- 1” thick
DP1000 9-1/2” x 11”
DP1001 11” x 14-1/2”
DP1002 20-3/8” x 11-5/8”

Sponge Filter Block 24” x 12.5” x 4”
Reticulated block made of sturdy material, this block can be used in all types of pond and aquarium filters. Rinseable, reusable.
DP6331

• Cleaning •

Odyssey Muck-Vac Cleaning System
This system will eliminate fish waste and muck from ponds and vats. It is ideal for fountains. Vacuums Muck and Fish Waste. Easy to use and assemble, it works off a garden hose with a minimum of 50psi.
OS7893

• Feeders •

Pond Fish Feeder
P21 Pond Fish Feeder - For ponds and large aquariums, this unit will dispense food slowly over a 5 hour period to reduce the risk of overfeeding and is suitable for all dry foods such as flakes and pellets. Fully weatherproof, the unit may be mounted on a pole by water’s edge or suspended over the water.
Includes AA battery and brackets and screws for secure mounting.
AN4608 P21

Laguna Floating Feeding Ring Station
- Helps prevent over feeding and wasted food
- Brings fish to one area of the pond for easier viewing
- Easily anchored to the side or bottom of the pond
The Laguna feeding station floats on the surface of the pond conditioning fish to feed from a pre-selected area. Simply anchor the ring to the side or bottom of the pond and place food in the center. The feeding station also helps to determine how much to feed.
HA8947

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AquaLife Koi Select ASF Premium Koi Food
AquaLife Koi Select ASF Premium food is a specially blended all-in-one formula that meets the nutritional needs of Koi and pond fish for all seasons. AquaLife Koi Select ASF Premium is a balance of high quality ingredients in scientific ratios that provides maximum digestibility, vigorous growth, and color enhancement for all seasons. This premium formula contains wheat germ to facilitate digestion and absorption of minerals and trace elements. Sound nutrition is essential to maintain balanced growth, general health and reproduction as well as the first line of defense against disease. AquaLife Koi Select ASF Premium food is rich in spirulina and montmorilanite clay for color enhancement in all feeding seasons.

AquaLife Koi Select ASF Premium food is made in the United States and blended in small batches to ensure quality and freshness. It’s made of the finest ingredients and the quality control is second to none.

- Montmorillonite Clay
- Color enhancer
- Spirulina enhanced
- Contains wheat germ and a balanced protein source
- Total balanced nutrition
- Does not cloud water
- Reduces water quality problems
- Promotes resistance to stress & disease
- Vitamin enriched for superior daily nutrition
- Floating pellet for Koi & Goldfish
- No corn meal
- Nothing fresher on the market
- Superior nutrient absorption

Wheat Germ Pellets
Because fish metabolism slows when water temperatures drop, feeding a highly-digestible food is very important. OSI Wheat Germ Pellets are designed for this purpose. A high level of easily-digested wheat germ meal is emphasized in this diet. Wheat germ is also a strong source of Vitamin E. Vitamin E is important for promoting balanced growth, improved disease resistance, and improved fertility.

Koi Pond Sticks
O.S.I. Koi Pond Sticks are floating fish food specially designed for koi and goldfish kept in garden ponds. This balanced diet meets the basic needs of these fish for growth and maintenance. Its moderate protein level is sufficient for fish growth yet minimizes algae growth. A vitamin supplement has been added to meet metabolic needs.

Koi Spring & Fall Conditioning Pellets
In the Spring when water temperatures warm above 60 degrees and koi start to become active they need a high protein diet to help them recover from the rigors of their Winter low activity period. A high protein diet helps them to rapidly replace lost body tissue and females of reproductive age will start to produce eggs.

Koi Premium Summer Staple Pellets
In the Summer koi can be fed a lower protein diet. They receive the additional protein that they need by foraging for natural foods that fall into the pond. In addition a lower protein level helps reduce the amount of nitrogen that enters the pond system. This helps to reduce algae growth. This diet also contains additional pigments. Pigments are stored in your fish’s skin and give the beautiful colors we enjoy. Our highest rates of inclusion in this diet are especially important during the Summer months when you are out enjoying your fish.

Koi Cool Water Wheat Germ Pellets
Wheat germ is an ingredient they can continue to digest. Although it is not an exceptional protein source for koi, it will give them a head start on eating and recovering from the winter inactivity period in the Spring, and it will continue to supply them with nutrients in the late Fall.

Koi Gourmet Silkworm Pupae Stick Treat
Koi Gourmet food is made with real silkworms. -No bad odor or oily texture • Feed anytime treat • Fun “Worm” shape • High protein • Floating • Contains Garlic.
**Premium High Color Pond Pellet**
OSI’s Shrimp Pellets are a nutritional diet containing a high concentration of shrimp in a pelleted form for both marine and freshwater fish.

OSI8511 Med 11lb

**Koi Fruit Treat Orange Vit C Gourmet**
Orange Koi Treats are vitamin fortified treats that can be added to your fish’s regular diet. They can be fed to koi, goldfish, and many other pond fishes.

OSI8513 Sm 8oz
OSI8514 lg 8oz

**Koi Fruit Treat Blueberry Anti Oxidant Gourmet Treat**
Blueberry Koi Treats are vitamin fortified treats that can be added to your fish’s regular diet. They can be fed to koi, goldfish, and many other pond fishes.

OSI8515 Sm 8oz
OSI8516 Lg 8oz

**VividColor Koi Flakes**
VividColor High-Pigment Koi Flakes are a well-balanced, high-protein diet formulated for koi, goldfish, and other garden pond fishes. All natural ingredients, rich in pigments, are used to brighten and intensify your fish’s colors.

OSI8522 2.2lb

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**Pond Filters Best Picks**

**Aquarium Life Support Systems**
**Pond Beast and Mini Beast**

The Pond Beast and Mini Beast are “true trickle filters” for ponds. Unlike any other filter in the pond industry, this work of art is equipped with patented plastic media. Built from cast acrylic it comes complete with drip trays. Easily and inexpensively discarded dual pre-filters, a spray bar, 1” inlet and two 1” outlets, (mini beast (1” 1’”) and a safety overflow. Simply, this unit easily handles any pond. Combined with a quality pump such as the Syncra, a TWG Intake Screen, and a UV Sterilizer, we can say you will have a clear water experience. Each drain line can handle up to 1000gph flow rate depending on drop.

**Pond Beast** - handles up to 5,000 gallons, 500-2000gph, 2-1” drains x 1” inlet
Dimensions: 22-1/2” x 12-1/2” x 22-1/4”

**AL2800**
Mini Beast - handles ponds to 2000 gallons with flow rates of 250-750gph, 1” drains x 1” inlet
Dimensions: 16” x 12-1/2” x 15-1/2”

**AL2801**

Special Packages include TWG Intake Screen - this unique filter acts not only as a great intake for large external or internal pond pumps, it also adds biological filtration. The sturdy mesh covering on the unit is easily cleaned, lasts longer between cleanings and prevents debris from entering the pump. Use it as a stand-alone filter in any pond or in combination with an external filter for maximum cleaning.

**Options**
- Bonded Padding by the ft #AL5148 and roll 135ft #AL5148R
- Reticulated Blk Foam 1” 11/16” x 13-3/16” for Pond Beast and UP2000 #DP1001
- Reticulated Blk Foam 1” 20-3/8” x 11-5/8” for use with Pond Beast #DP1002
- Reticulated Blk Foam Sponge 1” x 9-1/2” x 11” #DP1000 for Pond Beast, P1500 and P1200

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Designed by fisheries, biologists, and professional people in aquaculture, this quality is only found with the Made in The USA label. Strong aluminum nets for handling Koi and goldfish. Longer handles facilitate capture. Unique construction eliminates abuse from rocks and other potentially harmful objects in the pond. 1/8" nylon netting is knotless and is gentle on scales and eyes.

- MDL6163 1/8" White Mesh Net 3' handle, 9"x6" Net
- MDL6162 1/8" White Mesh Net 4' handle, 12"x13" Net
- MDL6161 1/8" White Mesh Net 4' handle, 16"x16" Net
- MDL6160 1/8" White Mesh Net 6-12' telescoping handle, 16"x16" Net
- MDL6159 1/8" Mesh 6' Net handle, 16"x16" Net
- MDL6557 Black Fine Mesh Net 3' handle, 9"x6" Net
- MDL6556 Black Fine Mesh Net 4' handle, 12"x13" Net
- MDL6164 Koi-1 6ft. Handle, 1/4' Mesh Black 22" diam, 3" deep
- MDL6165 Koi-2 4-8' Telescoping handle, Black Net
- MDL6558 White Fine Mesh Net 3'. handle, 9"x6" Net
- MDL6555 White Fine Mesh Net 4' handle 12"x13" Net
- MDL8601 Super Koi Sock Net 11" Diameter, 9" Handle, 42" Deep
- MDL8600 Triangle Skimmer 15"x12" 4' handle 1/8 White Ace, 3" Deep

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**AquaLife Pond Products**
- Reduce maintenance
- Helps keep ponds clear year-round
- Safe for aquatic animals and plants

**AquaLife Water Garden Cleaner ASF**
For cleaning and sludge removal for crystal clear ponds year round. This formula provides not only great value but has been formulated for year round use. The proprietary fermentation process reduces odors and prevents the need to purchase a different product at every change of season. Available only through authorized AquaLife Dealers.
- Contains 5 species of beneficial pond bacteria
- Reduces maintenance
- All-natural formula of beneficial bacteria
- Eliminates fish wastes, excess fish food, toxic ammonia and nitrite, problem-causing nitrate and phosphate, and odors
- Use year-round in koi ponds
- Reduces the need for water changes

AL8341 32oz Treats 16,000 gallons
AL8342 1gal Treats 64,000 gallons

**AquaLife Barley Straw Extract 2-in-1**
With cleaning Bacteria. Unique formulation of concentrated barley extract with beneficial cleaning bacteria inhibits the stringy stuff. This 2-in-1 formula provides not only great value but has been formulated for year round use. 16oz AL8328

**AquaLife Pond Cleaner Plus Packs**
This unique formulation combines all the benefits of barley with 5 beneficial strains of water cleaning and sludge cleaning bacteria. The high concentration of bacteria, barley flakes, and unique dry formula is delivered in easy dissolvable pouches that can be placed in the filter, pond, or stream 12-1oz packets per jar AL8329

**AquaLife Rock & Waterfall Cleaner**
Powerful and safe oxygen-based cleaning for large ponds and lakes, and smaller koi ponds and water gardens. Quickly and effectively cleans rocks, waterfalls, fountains, statues, plant pots, etc. With proper use, this formulation is safe for use around fish, birds, pets, and plants. 2 lb Jar AL8340
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AquaLife Complete Water Conditioner

STILL the best product on the market for relieving stress, removing chlorine, removing ammonia, and for emergency ammonia or nitrite removal. AquaLife Complete has changed everything. Make no compromises, use the ultimate water conditioner available for your pets

It does make a difference.
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- Removes Chlorine, Ammonia, and Chloramines
- Detoxifies Nitrite and Heavy Metals
- Adds Essential Electrolytes
- Boosts Alkalinity
- Works Instantly

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