





Code#	Description	Case Pack	Wattage	Included Fittings	Rated GPH	Max Height	MSRP	ECOPLUS™ SUBMERSIBLE PUMPS
728490	Eco 66 Submersible Pump	60	5.5	3/8" ID	66	1.6'	\$8.49	<p>These submersible water pumps are great for everything from fountains to hydroponic systems. Powerful oil free high magnetic rotor. Ceramic shaft and bearing insures reliability and quiet operation. Trouble free one moving part. Strainer protects impeller from damage. One year warranty.</p> <p><b>NEW!</b></p>
728495	Eco 132 Submersible Pump	48	9	3/8" ID	132	4.3'	\$10.95	
728300	Eco 185 Submersible Pump	12	10	3/8" - 1/2"	185	3.9'	\$13.95	
728305	Eco 264 Submersible Pump	18	20	1/2" - 3/4"	264	6.3'	\$19.95	
728310	Eco 396 Submersible Pump	24	25	1/2" - 3/4"	396	6.3'	\$24.95	
728315	Eco 633 Submersible Pump	12	35	1/2" - 3/4"	633	7.8'	\$45.95	
728320	Eco 1056 Submersible Pump	6	70	1/2" - 3/4"	1056	9.1'	\$68.95	
728325	Eco 1267 Submersible Pump	6	90	3/4" - 1"	1267	14.7'	\$83.95	
728330	Eco 1584 Submersible Pump	6	130	3/4" - 1"	1584	13.1'	\$99.95	
728335	Eco 3170 Submersible Pump*	2	180	1 1/2"	3170	14.8'	\$192.95	
728485	Eco 4950 Submersible Pump*	2	250	1 1/2"	4950	19.7'	\$199.95	

\* Not UL listed

Code#	Description	MSRP	ECOPLUS™ SUBMERSIBLE PUMP REPLACEMENT SHAFT & IMPELLER
728301	Eco 185 Shaft & Impeller	\$3.99	<p>Replacement parts for EcoPlus™ submersible water pumps.</p> 
728306	Eco 264 Shaft & Impeller	\$5.99	
728311	Eco 396 Shaft & Impeller	\$7.99	
728316	Eco 633 Shaft & Impeller	\$9.99	
728321	Eco 1056 Shaft & Impeller	\$11.99	
728326	Eco 1267 Shaft & Impeller	\$13.99	
728331	Eco 1584 Shaft & Impeller	\$15.99	

Code#	Description	MSRP	ECOPLUS™ SUBMERSIBLE PUMP REPLACEMENT OUTLET FITTINGS
728550	1/2" Replacement Outlet Fitting	\$1.95	<p>Replacement parts for EcoPlus™ submersible water pumps.</p> 
728555	3/4" Replacement Outlet Fitting	\$2.49	
728560	1" Replacement Outlet Fitting	\$2.95	

Code#	Description	Bag Size	MSRP	ECOPLUS™ PUMP FILTER BAG
728188	Pump Filter Bag - Small	6 1/2" x 9"	\$8.95	<p><b>A must have for EVERY pump!</b></p> 
728190	Pump Filter Bag - Large	10" x 12 1/2"	\$9.95	

A submersible pump is inserted into this filter bag to prevent sediment from clogging it. Use of the filter bag will prolong the life and reduce cleaning/maintenance of the pump.

Code#	Description	Rate GPH	MSRP	BLUE STONE PUMP
728035	Blue Stone Pump	900	\$109.95	

Designed for either submersible or inline use. This magnetically driven centrifugal pump is oil free and constructed such that there are no seals to wear out.



Code#	Description	Rate GPH	MSRP	TNC - 1/4 HP PUMP
728115	TNC 1/4 hp Pump	1250	\$164.95	

Designed specifically for in-line use only. This non-submersible pump is constructed of ceramic with a graphite seal. Designed for hydroponic use.

# PUMPS & IRRIGATION



## INLINE WATER PUMPS

**NEW!**



- Commercial grade ~ very powerful and reliable
- In-line use (not submersible)
- Magnetic drive with ceramic shaft
- Quiet & efficient
- Both pumps have standard 1" fittings— hard plumb these pumps with standard 1" PVC fittings

Code#	Description	Rate GPH	MSRP
728475	Inline Water Pump - 120 watt	1140	\$148.95
728480	Inline Water Pump - 135 watt	1235	\$164.95

## MAG - DRIVE PUMPS



Code#	Description	Rate GPH	MSRP
728065	Mag Drive Pump	250	\$64.95
728070	Mag Drive Pump	350	\$74.95
728060	Mag Drive Pump	500	\$94.95
728072	Mag Drive Pump	700	\$104.95
728062	Mag Drive Pump	950	\$127.95

For either submersible or inline use, this is an oil free pump. Only one moving part - No motor seals to wear out or leak. Energy efficient, it consumes less than half the electricity of conventional pumps with similar flow. Directional flow outlet can be used in any orientation.

## LITTLE GIANT® P-AAA SUBMERSIBLE PUMP

**NEW!**



Permanently lubricated pumps for commercial, industrial, and home use where liquid must be transferred or recirculated. Applications include hydroponic systems, water gardens, ponds, etc.

- 6' power cord
- Impedance protected
- 1/4" MNPT outlet, with 90° elbow accessory, accepts 1/2" I.D. tubing.
- Side intake
- Corrosion-resistant housing
- Screened inlet
- Manufacturer Item No. 523003
- One year limited warranty

Code#	Description	Cs Pk	Rate GPH	MSRP
727000	P-AAA Submersible Pump	6	120	\$68.95

## LITTLE GIANT® PE-1 SUBMERSIBLE PUMP

**NEW!**



Small submersible epoxy encapsulated pump for commercial, industrial and home use. Applications include hydroponic systems, water gardens, ponds, etc. This compact 170 GPH pump features 1/4" MNPT discharge, 7' shut-off head capability, screened inlet and a 6' power cord. Pumps are not recommended for fuel oil transfer, aquariums and swimming pools.

- Inlet screen helps protect pump from debris
- 1/4" MNPT outlet accepts 1/2" I.D. flexible tubing
- Impedance protected motor.
- 36 watts
- Side intake
- 115 Volt
- 1/125 HP
- .3 amps
- Manufacturer Item No. 518200
- One year limited warranty

Code#	Description	Cs Pk	Rate GPH	MSRP
727005	PE-1 Submersible Direct Drive Pump	6	170	\$71.95

## LITTLE GIANT® 1-ABS SUBMERSIBLE PUMP

**NEW!**



- Shallow-Pan Tank Style
- Designed for in-pan mounting
- Aluminum pump housing
- 1/4" MNPT discharge
- Stainless steel shaft
- Bottom intake
- Integral float-activated Mercury switch
- 6' power cord with 3-prong molded plug
- Thermal overload protection
- Manufacturer Item No. 550515
- "On" in 1" & "Off" in 1/2" of water
- One year limited warranty

Code#	Description	Cs Pk	Rate GPH	MSRP
727010	1-ABS Submersible Pump	6	205	\$105.95

## LITTLE GIANT® 1 SUBMERSIBLE PUMP

**NEW!**



Permanently lubricated pumps for commercial, industrial, and home use where liquid must be transferred or recirculated. Applications include hydroponic systems, water gardens, ponds, aquariums, etc.

- Epoxy-coated aluminum housing
- Bottom inlet has snap-off screen for easy cleaning.
- 1/4" MNPT outlet, with 90° elbow accessory, accepts 1/2" I.D. tubing.
- Manufacturer Item No. 501003
- Bottom intake
- One year limited warranty

Code#	Description	Cs Pk	Rate GPH	MSRP
727015	1 Submersible Pump	6	205	\$81.95

Code#	Description	Cs Pk	Rate GPH	MSRP	<b>NEW!</b>	LITTLE GIANT® NK-1 SUBMERSIBLE PUMP
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727020	NK-1 Submersible Pump	6	210	\$87.95
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Permanently lubricated pumps for commercial, industrial, and home use where liquid must be transferred or recirculated. Applications include hydroponic systems, water gardens, ponds, etc.

- Corrosion-resistant nylon housing
- 1/4" MNPT outlet accepts 1/2" I.D. tubing.
- **Bottom or side intake**
- One year limited warranty
- Sump-type screened inlet.
- Thermally protected.
- Manufacturer Item No. 526003



Code#	Description	Cs Pk	Rate GPH	MSRP	<b>NEW!</b>	LITTLE GIANT® NK-2 SUBMERSIBLE PUMP
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727025	NK-2 Submersible Pump	6	325	\$104.95
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Permanently lubricated pumps for commercial, industrial, and home use where liquid must be transferred or recirculated. Applications include hydroponic systems, water gardens, ponds, etc.

- 6' power cord
- Five position options
- Thermally protected.
- **Bottom or side intake**
- Corrosion-resistant nylon housing
- 1/4" MNPT outlet accepts 1/2" I.D. tubing.
- Manufacturer Item No. 527003
- One year limited warranty



Code#	Description	Cs Pk	Rate GPH	MSRP	<b>NEW!</b>	LITTLE GIANT® PE - 2.5F - PW SUBMERSIBLE PUMP
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727030	PE - 2.5F - PW Submersible Pump	3	475	\$117.95
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A premium pump at 475 GPH. Epoxy filled pump is compact in design, produces superior water flow and has corrosion resistant plastic housing. Ideal for the water gardening environment.

- Usages: Circulating ponds up to 800 gallons, fountain nozzles, biological filters
- Corrosion resistant body designed for non-potable submersible use
- 1/2" MNPT Discharge
- Manufacturer Item No. 566633
- 1 year limited warranty
- Maximum Pumping Height 13.4'
- Accepts 3/4" ID Tubing
- Side intake



Code#	Description	Cs Pk	Rate GPH	MSRP	<b>NEW!</b>	LITTLE GIANT® 5-MSP SUBMERSIBLE PUMP
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727035	5 - MSP Submersible Pump	4	1200	\$143.95
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Permanently lubricated utility pump includes garden hose adapter and removable inlet screen for easy cleaning. Lifetime oil supply. Pumps down to 1/8" (3.2 mm.).

- 1/6 HP thermally protected, shaded pole motor
- Bottom inlet has removable screen for easy cleaning
- 1" FNPT outlet includes garden-hose adapter
- **Bottom intake**
- Epoxy-coated cast aluminum housing
- Removes water down to 1/8"
- Manufacturer Item No. 505000
- One year limited warranty



Code#	Description	Cs Pk	Rate GPH	MSRP	<b>NEW!</b>	LITTLE GIANT® 6 - CIM-R SUBMERSIBLE PUMP
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727040	6 - CIM-R Sump Submersible Pump	4	2760	\$183.95
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Big John submersible sump pump for residential and light commercial use, the 6-CIM-R manual sump pumps provides efficient and reliable service. Pump features a 1-1/2" discharge with an 18' maximum head. Cast iron motor housing is oil-filled for lifetime lubrication and rapid heat dissipation. Polycarbonate cover and polypropylene volute-base. Garden Hose Adapter included for utility use.

- 1/3 HP, 115 Volt, 10' Power Cord
- Oil filled motor housing for lifetime lubrication and rapid heat dissipation
- Epoxy coated cast iron motor housing for corrosion and rust resistance
- 1-1/2" MNPT x 1-1/4" FNPT (31.7mm) Reducer Bushing
- Manufacturer Item No. 506271
- Mechanical shaft seal (stainless steel spring, nitrile parts, carbon and ceramic faces).
- Manual operation (pump can easily be converted to automatic operation using the RS-5, VDS1006, or RFSN-9 switches)
- Screened inlet
- Stainless steel screws, bolts, and handle
- Thermal overload protection
- **Bottom intake**
- One year limited warranty



Code#	Description	Cs Pk	Rate GPH	MSRP	<b>NEW!</b>	LITTLE GIANT® RS-5LL DIAPHRAGM SWITCH
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727045	Piggyback Diaphragm Switch	4	n/a	\$64.95
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The RS5-LL switch can be used anytime you have a basin usage for the pump. It works by diaphragm. If the water reaches a certain level, it will shut off the pump. The pump plugs into the switch. "On" level: 2" - 3". "Off" level: .5" - 1.5" when mounted to 5-MSP. For pumps up through 1/3HP or the following pumps, 5-MSP, 6-CIM-R, NK-1 & NK-2. 18' cord.





# PUMPS & IRRIGATION



## ECOPLUS™ COMMERCIAL AIR PUMPS

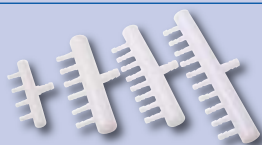


Code#	Description	PSI	Use Tube Size	MSRP
728450	Commercial Air 1 - 18 watts Single outlet 38 Liter/min	2.9	1/4" ID	\$52.95
728455	Commercial Air 3 - 35 watts Single outlet 65 Liter/min	3.9	3/8" ID	\$72.95
728457	Commercial Air 5 - 80 watts Single outlet 88 Liter/min	4.2	3/8" ID	\$91.95

- Convenient to operate without oil or much noise.
- Cylinders and pistons are made of excellent materials, making the pump strong, durable. There is very little wear after long periods of operation.
- Will meet many requirements of pumps with air dividers from four to twenty-two outlets.
- Widely used to provide oxygen in aquariums, fish farms & hydroponic systems. One year warranty.

## AIR MANIFOLDS

**NEW!**



Code#	Description	Use w/ Tube Size - Inlet	Use w/ Tube Size - Outlet	MSRP
728446	4 Outlet Air Manifold	1/4" ID	3/16" ID	\$1.49/ea
728447	6 Outlet Air Manifold	3/8" ID	3/16" ID	\$2.95/ea
728448	8 Outlet Air Manifold	3/8" ID	3/16" ID	\$3.49/ea
728449	10 Outlet Air Manifold	3/8" ID	3/16" ID	\$4.95/ea

## ECOPLUS™ AIR PUMPS



Code#	Description	PSI	Case Pack	Use Tube Size	MSRP
728350	Eco Air 8 - Eight Outlets - 24 watts (with variable control)	2.2	8	3/16" ID	\$60.95
728355	Eco Air 4 - Four Outlets - 12 watts (with variable control)	1.7	20	3/16" ID	\$30.95
728360	Eco Air 2 - Two Outlets - 6 watts (with variable control)	1.7	30	3/16" ID	\$12.95
728365	Eco Air 1 Plus - One Outlet - 3 watts	1.7	40	3/16" ID	\$7.95

Eco Air series pumps are very quiet, yet extremely powerful. They are long lasting and offer a one year warranty. Controllable variable output on some models.

## REPLACEMENT PARTS FOR ECOPLUS™ AIR PUMPS

Replacement parts for the EcoPlus™ Air Pumps.

Code#	Description	MSRP
728366	Eco Air 1 Plus Membrane & Valve	\$2.50
728361	Eco Air 2 Membrane & Valve	\$4.99
728356	Eco Air 4 & 8 Membrane & Valve	\$8.99

## DUAL DIAPHRAGM AIR PUMP



Code#	Description	Use Tube Size	GPH	MSRP
728040	Dual Diaphragm Air Pump	3/16" ID	396 (air)	\$64.95

The General Hydroponics Dual Diaphragm air pump is extremely quiet and the only air pump in the world manufactured exclusively for hydroponics systems. This high output pump has four adjustable 1/4" outputs that can be teed off to power up to twelve air driven hydroponics growing systems such as the WaterFarm. In addition, growers who use our Dual Diaphragm air pump can use it to reliably oxygenate their reservoir with air stones. 3 psi, 320 gph (20 L/min)

## DUAL DIAPHRAGM AIR PUMP REBUILD KIT



Code#	Description	Bags/Case	MSRP
728043	Dual Diaphragm Air Pump Rebuild Kit	5	\$19.95

Rebuild kit includes two replacement diaphragms and two replacement lock nuts.

## AERATOR



Code#	Description	MSRP
728520	Ario 1 Aerator - 10 gal reservoir	\$31.65
728525	Ario 2 Aerator - 40 gal reservoir	\$36.65
728530	Ario 3 Aerator - 70 gal reservoir	\$43.25
728535	Ario 4 Aerator - 115 gal reservoir	\$49.25

Hydroponic growers know proper oxygenation of your water will greatly improve the quality of your crop. These new submersible aerators were designed as a quality alternative to what is currently available. The Ario line of aerators are so powerful they actually create water movement within the reservoir. Everything you need to create optimum oxygen levels is packaged nicely in one box. These silent aerators are manufactured in Italy & have a one year warranty.

For a dealer near you, log on to our web site  
[www.nationalgardenwholesale.com](http://www.nationalgardenwholesale.com)

Code#	Description	MSRP
728730	Crystal Clear™ RO 100 GPD	\$224.95
728735	Crystal Clear™ RO 200 GPD	\$324.95

#### Units Feature:

- 100 & 200 gallons per day high rejection thin film membrane.
- Heavy duty clear canisters for holding filters.
- High capacity carbon & sediment filters.
- Provides bottled water quality.
- Includes garden hose adaptor & filter wrench.
- Quick disconnect fittings.
- Manual shut off valve on treated clean water line.
- Color coded lines for quick set up & easy identification.  
Red - "In" for tap water  
Black - Drain line for waste water  
Blue - "Out" for treated, purified water
- Improves the health of your plants & increases nutrient uptake by removing harmful minerals, metals, & pollutants from your water supply.

#### CRYSTAL CLEAR™ REVERSE OSMOSIS UNITS



Code#	Description	MSRP
728740	Crystal Clear™ Membrane	\$109.95
728745	Crystal Clear™ Sediment Filter	\$14.95
728750	Crystal Clear™ Carbon Filter	\$17.95
728755	Crystal Clear™ Inline TDS Meter	\$59.95
728760	Crystal Clear™ Float Valve ¼"	\$19.95

#### CRYSTAL CLEAR™ REPLACEMENT PARTS



Code#	Description	MSRP
728800	Hydro-logic™ Stealth 100	\$225.00

**NEW!**

#### HYDRO-LOGIC™ STEALTH 100

Produces up to 100 GPD (gallons per day) of ultra-pure, low PPM water. Removes 98%+ of chlorine & contaminants. Wastes approximately 25% less water than other RO Systems. Everything included in the box for quick hook-up. Customized for gardening & hydroponics. \*Based on 77° F 60 psi, 550 ppm inlet water  
Includes: 3-Stage RO Unit / 1 RO Membrane / Carbon Filter / Cleanable Sediment Filter / Automatic Shut-Off Cartridge / Wall Mountable Metal Bracket / Garden Hose Connector / Inline Shut-Off / 8 ft. RO & Drain Line / 5 ft. Inlet Line / Filter Wrench / Instructions  
Size: 15" x 14" Weight: 8.6 lbs  
Limited 1 year warranty



Code#	Description	MSRP
728820	Hydro-logic™ Stealth 200	\$315.00

**NEW!**

#### HYDRO-LOGIC™ STEALTH 200

Produces up to 200 GPD (gallons per day) ultra-pure, low PPM water. Removes 98%+ of chlorine & contaminants. Wastes approximately 25% less water than other RO Systems. Everything included in the box for quick hook-up. Customized for gardening & hydroponics. \*Based on 77° F 60 psi, 550 ppm inlet water  
Includes: 4-Stage RO Unit / 2 RO Membranes / Carbon Filter / Cleanable Sediment Filter / Automatic Shut-Off Cartridge / Wall Mountable Metal Bracket / Garden Hose Connector / Inline Shut-Off / 8 ft. RO & Drain Line / 5 ft. Inlet Line / Filter Wrench / Instructions  
Size: 16.5" x 14" Weight: 9.8 lbs  
Limited 1 year warranty



Code#	Description	MSRP
728805	Hydro-logic™ Stealth Carbon Filter	\$16.50
728810	Hydro-logic™ Stealth Sediment Filter	\$14.50
728815	Hydro-logic™ Stealth Membrane	\$83.00

**NEW!**

#### HYDRO-LOGIC™ STEALTH REPLACEMENT PARTS



# PUMPS & IRRIGATION



## HYDRO-LOGIC™ MERLIN GP

**NEW!**



Produces 30 gallons per hour or 750 gallons per day of ultra pure, low ppm water. Removes 95%+ of chlorine, hardness (calcium & magnesium), excessive minerals (iron), and all other contaminants. Wastes approximately 40% less drain water than other RO systems on the market. Everything included in the box to start producing bottled quality water for your plants. Exclusive configuration for hydroponics and gardening, not available anywhere else! \* Based on 77° 50 psi, 750 ppm feed water.

Includes: High-Flow Reverse Osmosis Unit with 1 Carbon Pre-filter & 2 RO Membranes / Inlet Pressure Gauge / Garden Hose Connector & 3.8" Inline Shut-off / 12.5' RO Line, 4.5' Feed Line, 4.5' Drain Line / Instructions / Size: 10" x 17" x 20" Weight: 29 lbs / Limited 3 year (Residential) / 1 year (Commercial) warranty

### Code# Description

728840 Hydro-logic™ Merlin GP

### MSRP

\$589.00

## HYDRO-LOGIC™ MERLIN GP REPLACEMENT PARTS

**NEW!**



### Code# Description

728845 Hydro-logic™ Merlin GP Carbon Filter

### MSRP

\$32.50

728850 Hydro-logic™ Merlin GP Sediment Filter

\$23.00

728855 Hydro-logic™ Merlin GP Membrane

\$139.00

## HYDRO-LOGIC™ TALL BLUE

**NEW!**



Prefilter for Merlin GP. Removes up to 99% of chlorine and 90% of sediment, rust, silt, etc. Filters chloramines and particulates down to 5 microns. Includes: 2-Stage 20" Pre-Filter Unit / Wall Mountable Metal Bracket / 4 ft. Feed Line to Merlin-Garden Pro™ / Filter Wrench / Instructions

Size: 11" x 24" Weight: 11 lbs

Limited 1 year warranty

### Code# Description

728860 Hydro-logic™ Tall Blue

### MSRP

\$159.00

## HYDRO-LOGIC™ SMALL BOY

**NEW!**



### Code# Description

728875 Hydro-logic™ Small Boy

### MSRP

\$105.00

728880 Hydro-logic™ Small Boy Carbon Filter - 10"

\$14.00

728885 Hydro-logic™ Small Boy Sediment Filter - 10"

\$11.00

Removes up to 99% of chlorine and 90% of sediment, rust, silt, etc. @ 1 GPM. Easily produces 60 gallons per hour of clear water filtered down to 5 microns. Filter capacity of 3,000 gallons.

Includes: 2-Stage 10" Filter Unit / Wall Mountable Metal Bracket / Garden Hose Connector / 4 ft. Feed Line / 6 ft. Outlet Line / 1 / 4" Shut-off / Filter Wrench / Instructions

Size: 11" x 14" Weight: 6.4 lbs

Limited 1 year warranty

## HYDRO-LOGIC™ TALL BOY

**NEW!**



Removes up to 99% of chlorine and 90% of sediment, rust, silt, etc. 63 2 GPM. Easily produces 120 gallons per hour of clear water filtered down to 5 microns. Filter capacity of 7,500 gallons.

Includes: 2-stage 20" Filter Unit / Wall Mountable Metal Bracket / Female Garden Hose Connector / Brass Male Garden Hose Connector / 4 Ft. Feed Line / 4 Ft. Outlet Line / Filter Wrench / Instructions

Size: 11" x 24" Weight: 11 lbs

Limited 1 year warranty

### Code# Description

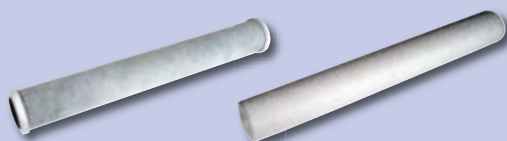
728890 Hydro-logic™ Tall Boy

### MSRP

\$179.00

## HYDRO-LOGIC™ TALL BOY & BLUE REPLACEMENT PARTS

**NEW!**



### Code# Description

728865 Hydro-logic™ Tall Carbon Filter - 20"


### MSRP

\$31.00

728870 Hydro-logic™ Tall Sediment Filter - 20"

\$14.00




Code#	Description	MSRP	AQUA HEAT™ TITANIUM RESERVOIR & AQUARIUM HEATER
728581	Aqua Heat™ Titanium Reservoir & Aquarium Heater - 200 watt	\$32.95	
728582	Aqua Heat™ Titanium Reservoir & Aquarium Heater - 300 watt	\$34.95	


- Heater tube is fully submersible
- Double heating tube
- Easy temperature control
- Temp range: 68°F (20°C) to 93°F (34°C)
- Automatic electronic heater
- Very durable and reliable
- Ideal for saltwater & freshwater
- One year warranty

## ECOPLUS™ WATER CHILLERS


The EcoPlus™ Chillers are suitable for use in reservoirs, hydroponic systems & fresh or saltwater aquariums. Each chiller provides a high performance titanium heat exchanger for optimum performance and corrosion resistance. High quality Japanese made compressor is extremely efficient and reliable. The micro computer with digital LCD display allows for easy operation. Use with a pump filter bag (product #728188 or # 728190). One year limited warranty on all EcoPlus™ chillers.

Code#	Description	MSRP	NEW LOWER PRICE!	EcoPlus™ 1/10 HP Chiller
728695	EcoPlus™ 1/10 HP Chiller	\$399.95		
	<ul style="list-style-type: none"> <li>• Fittings: 1/2"</li> <li>• Weight: 31 lbs.</li> <li>• Wattage: 280</li> <li>• Capable of Chilling: 93 gallons - 10° F 35 gallons - 30° F</li> </ul>	<ul style="list-style-type: none"> <li>• Dimensions: 10.5" W x 12" D x 14" H</li> <li>• Voltage: 120V/60Hz</li> <li>• Amps: 2.3</li> <li>• Pump Size: Minimum 132 GPH Maximum 264 GPH</li> </ul>		


\*On all Chillers allow unit to set upright, on its feet for 30 minutes prior to plugging in.

Code#	Description	MSRP	NEW LOWER PRICE!	EcoPlus™ 1/4 HP Chiller
728700	EcoPlus™ 1/4 HP Chiller	\$524.95		
	<ul style="list-style-type: none"> <li>• Fittings: 3/4"</li> <li>• Weight: 48.5 lbs.</li> <li>• Wattage: 480</li> <li>• Capable of Chilling: 170 gallons - 10° F 100 gallons - 30° F</li> </ul>	<ul style="list-style-type: none"> <li>• Dimensions: 13" W x 15" D x 16" H</li> <li>• Voltage: 120V/60Hz</li> <li>• Amps: 4</li> <li>• Pump Size: Minimum 633 GPH Maximum 1056 GPH</li> </ul>		

\*On all Chillers allow unit to set upright, on its feet for 30 minutes prior to plugging in.

Code#	Description	MSRP	NEW LOWER PRICE!	EcoPlus™ 1/2 HP Chiller
728702	EcoPlus™ 1/2 HP Chiller	\$984.95		
	<ul style="list-style-type: none"> <li>• Fittings: 1"</li> <li>• Weight: 68 lbs.</li> <li>• Wattage: 540</li> <li>• Capable of Chilling: 320 gallons - 10° F 220 gallons - 30° F</li> </ul>	<ul style="list-style-type: none"> <li>• Dimensions: 15" W x 18.5" D x 15" H</li> <li>• Voltage: 120V/60Hz</li> <li>• Amps: 4.5</li> <li>• Pump Size: Minimum 750 GPH Maximum 1200 GPH</li> </ul>		

\*On all Chillers allow unit to set upright, on its feet for 30 minutes prior to plugging in.

Code#	Description	MSRP	NEW!	ECOPLUS™ CHILLER REPLACEMENT FITTING KITS
728715	1/10 HP Chiller Fitting Kit	\$7.95/ea		
728720	1/4 HP Chiller Fitting Kit	\$9.95/ea		
728725	1/2 HP Chiller Fitting Kit (No fuse)	\$11.95/ea		

A complete set of replacement fittings for the EcoPlus™ Chillers. The 1/2 HP chiller fitting kit does not come with a fuse.

Code#	Description	Use Tube Size	MSRP	MICRO-PORE™ AIR DIFFUSERS
728500	Single Air Diffuser	3/8" ID	\$20.95	
728505	Double Air Diffuser	3/8" ID	\$36.95	
728506	Single XL Diffuser	3/8" ID	\$26.95	
728507	Double XL Diffuser	3/8" ID	\$42.95	
728508	"Hog" 2X Diffuser	3/8" ID	\$41.95	
728509	"Boss Hog" 2 X Diffuser	3/8" ID	\$64.95	

- Kiln fired ceramic material will not react with nutrients solutions
- Micro-Pore design produces smaller, more prolific bubbles
- Will not clog or break down like other compressed silicates diffusers
- Extends the life of nutrient solutions for all types of hydroponics



## ECOPLUS™ AIR STONES



Each stone is individually bagged.

Code#	Description	Use Tube Size	MSRP
728405	Large Round Air Stone	1/4" ID	\$4.95
728410	Medium Round Air Stone	1/4" ID	\$2.95
728415	Small Round Air Stone	1/4" ID	\$1.95
728420	EcoPlus™ 8" Air Stone	3/16" ID	\$1.95
728425	EcoPlus™ 6" Air Stone	3/16" ID	\$1.49
728430	EcoPlus™ 4" Air Stone	3/16" ID	\$1.29

## ECOPLUS™ FLEXIBLE AIR DIFFUSERS



These air "hoses" are flexible and unbreakable. They provide excellent aeration. To clean, just wipe off under running water.

Code#	Description	Use Tube Size	MSRP
728435	2' Flexible Air Diffuser	3/16" ID	\$4.50
728440	3' Flexible Air Diffuser	3/16" ID	\$5.95
728445	4' Flexible Air Diffuser	3/16" ID	\$7.95

## ECOPLUS™ AQUARIUM & RESERVOIR THERMOMETER



- Glass tube precisely made of German material
- Suction cup to stick to the inside of an aquarium or reservoir
- Thermometer floats in water

Code#	Description	MSRP
728565	EcoPlus™ Aquarium & Reservoir Thermometer	\$2.49

## BARBED REDUCER



Code#	Description	MSRP
708055	3/4" to 1/2"	.75¢

## 1/4" BARBED CONNECTORS



Code#	Description	Bag Count	Case Count	MSRP
708405	1/4" (4mm) Tee	10	250	.34¢
708410	1/4" (4mm) Straight	10	250	.22¢
708415	1/4" (4mm) Elbow	10	250	.34¢

## 1/2" BARBED CONNECTORS & VALVES



Code#	Description	Bag Count	Case Count	MSRP
708420	1/2" (13mm) Tee	10	250	.46¢
708425	1/2" (13mm) Straight	10	250	.42¢
708430	1/2" (13mm) Elbow	10	250	.48¢
708435	1/2" (13mm) Inline Valve	10	250	\$2.99

## 3/4" BARBED CONNECTORS & VALVES



Code#	Description	Bag Count	Case Count	MSRP
708440	3/4" (19mm) Tee	10	250	\$1.08
708445	3/4" (19mm) Straight	10	250	.90¢
708450	3/4" (19mm) Elbow	10	250	.98¢
708455	3/4" (19mm) Inline Valve	10	250	\$3.29

## "Y" FILTER WITH 3/4" INLET & OUTLET

**NEW!**



Code#	Description	RD #	MSRP
708700	"Y" Filter with 100 micron screen - 3/4" Inlet & Outlet	60400UB	\$16.95/ea
708705	100 micron replacement screen	603010	\$4.95/ea



Code#	Description	RD #	Eaches/Card	MSRP	<b>NEW!</b>	RAINDRIP® ½" COMPRESSION TEE
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708600 ½" Compression Tee A305CT 2 \$2.54/ea

All Raindrip® fittings are made in the USA of quality materials for optimum performance. Raindrip® fittings are interchangeable with competitive systems. Made from ABS plastic. For use with 1/2" hose and water pressure up to 60 psi.



Code#	Description	RD #	Eaches/Card	MSRP	<b>NEW!</b>	RAINDRIP® ½" COMPRESSION COUPLING
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708605 ½" Compression Coupling A310CT 2 \$1.75/ea

All Raindrip® fittings are made in the USA of quality materials for optimum performance. Raindrip® fittings are interchangeable with competitive systems. Made from ABS plastic. For use with 1/2" hose and water pressure up to 60 psi.



Code#	Description	RD #	Eaches/Card	MSRP	<b>NEW!</b>	RAINDRIP® ½" COMPRESSION ELBOW
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708610 ½" Compression Elbow A315CT 2 \$2.20/ea

All Raindrip® fittings are made in the USA of quality materials for optimum performance. Raindrip® fittings are interchangeable with competitive systems. Made from ABS plastic. For use with 1/2" hose and water pressure up to 60 psi.



Code#	Description	RD #	Eaches/Card	MSRP	<b>NEW!</b>	RAINDRIP® ½" COMPRESSION HOSE END PLUG
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708615 ½" Compression Hose End Plug A303CT 1 \$3.00/ea

All Raindrip® fittings are made in the USA of quality materials for optimum performance. Raindrip® fittings are interchangeable with competitive systems. For use with 1/2" hose. Closes ends of 1/2" poly hose when frequent flushing is necessary.



Code#	Description	RD #	Eaches/Card	MSRP	<b>NEW!</b>	RAINDRIP® ½" COMPRESSION VALVE
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708620 ½" Compression Valve R617CT 1 \$5.56/ea

All Raindrip® fittings are made in the USA of quality materials for optimum performance. Raindrip® fittings are interchangeable with competitive systems. Made from ABS plastic. For use with 1/2" hose and water pressure up to 60 psi. Compression inlet/outlet shut-off for 1/2" hose.



Code#	Description	RD #	Eaches/Pack	MSRP	<b>NEW!</b>	RAINDRIP® ½ GPH DRIPPERS
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708625 ½ GPH Drippers Blister Card R108CT 10 .97¢/ea

708626 ½ GPH Drippers Bag PC2025B 25 .61¢/ea

Raindrip®'s "turbulent flow" PC (pressure compensating) drippers maintain their rated flow rate for 10-60 psi inlet pressure. These drippers can be used at the end of 1/4" tubing feeders or can be inserted directly into 1/2" Raindrip® hose. Ideal for heavy soil.





## RAINDRIP® 1 GPH DRIPPERS

**NEW!**



Code#	Description	RD #	Eaches/Pack	MSRP
708630	1 GPH Drippers Blister Card	R110CT	10	.97¢/ea
708631	1 GPH Drippers Bag	PC4025B	25	.61¢/ea

Raindrip®'s "turbulent flow" PC (pressure compensating) drippers maintain their rated flow rate for 10-60 psi inlet pressure. These drippers can be used at the end of 1/4" tubing feeders or can be inserted directly into 1/2" Raindrip® hose. Ideal for medium soil (loam).

## RAINDRIP® 2 GPH DRIPPERS

**NEW!**



Code#	Description	RD #	Eaches/Pack	MSRP
708635	2 GPH Drippers Blister Card	R112CT	10	.97¢/ea
708636	2 GPH Drippers Bag	PC8025B	25	.61¢/ea

Raindrip®'s "turbulent flow" PC (pressure compensating) drippers maintain their rated flow rate for 10-60 psi inlet pressure. These drippers can be used at the end of 1/4" tubing feeders or can be inserted directly into 1/2" Raindrip® hose. Ideal for light soil (sandy).

## RAINDRIP® STAKES & CLAMP

**NEW!**



Code#	Description	RD #	Eaches/Pack	MSRP
708640	4" Support Stakes	R380CT	10	.28¢/ea
708645	6" Support Stakes	R381CT	10	.41¢/ea
708650	1/2" - 5/8" Hose End Clamps	R301CT	5	.63¢/ea

4" support stakes are plastic stakes that hold 1/4" tubing in place next to plants. 6" support stakes are heavy duty plastic stakes that hold 1/4" lines in place. The hose end clamps close off ends of 1/2" or 5/8" poly hose.

## RAINDRIP® POLY TUBING

**NEW!**



Code#	Description	RD #	MSRP
708655	1/4" Poly Tubing 50' Roll	01600SP	\$6.64/ea
708660	1/2" Poly Tubing 50' Roll	05200SP	\$13.19/ea

Professional quality hose is made from linear, low-density polyethylene (poly). Composed of 2.2% carbon black and UV inhibitors, it can be left year round, buried or on the surface, in any weather. Superior to hose made from reprocessed materials.

## RAINDRIP® CUTTER & HOLE PUNCHES

**NEW!**



Code#	Description	RD #	MSRP
708665	Professional Tubing Cutter	63200UB	\$13.87/ea
708670	Hole Punch - Black	A630CT	\$4.37/ea
708675	Professional Hole Punch	63100UB	\$13.81/ea

The professional tubing cutter has a hardened stainless steel blade that is designed to cut all flexible plastic hose/tubing up to 1.5" outside diameter. Both the hole punch & professional hole punch are designed for comfortable use. They punch holes in 1/2", 5/8" or .710" hose to insert PC drippers or 1/4" fittings. The black hole punch includes 10 hole plugs.

## RAINDRIP® WATER TIMER & ACCESSORIES

**NEW!**



Code#	Description	RD #	MSRP
708680	Analog Electronic Timer	R672CT	\$55.39/ea
708685	3/4" Pressure Regulator	A460CT	\$13.33/ea
708690	3/4" Swivel x 1/2" Hose Adaptor	A320CT	\$3.17/ea

Raindrip®'s single station battery-operated analog water timer is for 3/4" faucet/hose spigot hook-up. Large control knobs for easy set-up. Features adjustable frequency & run times. The pressure regulator has a 3/4" inlet & outlet. It maintains 15-20 psi for circuits totalling up to 360 GPH. The adaptor connects 1/2" poly hose to a faucet or other 3/4" male hose thread.

## RAINDRIP® 3 OUTLET MANIFOLD TRIPLE SHUT-OFF

**NEW!**



Code#	Description	RD #	MSRP
708695	3 Outlet Manifold Triple Shut-off	61900UB	\$3.37/ea

Converts one faucet to three separately controllable outlets. 3/4" female hose thread inlet x 3/4" male hose threaded outlets.

# PUMPS & IRRIGATION

Code#	Description	MSRP
706392	EZ-Clone™ 360° Sprayer	.70¢/ea
708195	180° Sprayer	.70¢/ea
708200	360° Sprayer	.70¢/ea

Used in high output aeroponic gardening applications.



706392



708195



708200

## SPRAYERS

Code#	Description	MSRP
708190	360° Clone Spinner	\$1.75

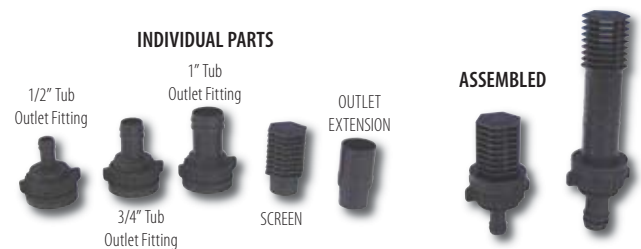
A rotating 360° sprayer that is ideal for rooting cuttings aeroponically. The spinner comes complete with a male thread for a secure, no leak fit. (Used in Clone Machines).



## AEROPONIC CLONE SPINNER 360°

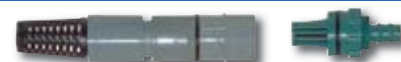
Code#	Description	Pcs/Bag	MSRP
708560	Outlet extension	10	.69¢
708565	Screen	10	.59¢
708570	1/2" Tub outlet fitting (13mm)	10	\$2.09
708575	3/4" Tub outlet fitting (19mm)	10	\$2.49
708580	1" Tub outlet fitting (25mm)	10	\$2.79

- Manufactured using the finest quality materials.
- All pieces offered a la carte for maximum flexibility.



## EBB & FLOW FITTINGS

Code#	Description	MSRP
706750	Fitting Kit	\$10.95



## FITTING KIT

Code#	Description	MSRP
708280	Dripper Stake with 1/8" dripper line	.79¢

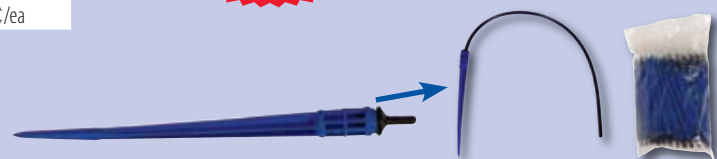


## DRIPPER STAKES

Code#	Description	Eaches/Bag	MSRP
708340	Dripper Stake with Basket	100	.39¢/ea

**NEW!**

## DRIPPER STAKES



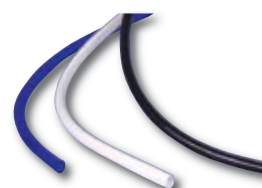
Code#	Description	Eaches/Bag	MSRP
708345	Dripper Line 1/4" x 15"	25	.24¢/ea

**NEW!**

## DRIPPER LINE



Code#	Description	Roll Length	Inside Diameter	Outside Diameter	MSRP
708215	Clear Tubing	100 ft.	3/16"	1/4"	\$11.95
708220	Black Tubing	100 ft.	3/16"	1/4"	\$29.95
708222	Clear Tubing	100 ft.	1/4"	3/8"	\$23.95
708223	Black Tubing	100 ft.	3/8"	1/2"	\$35.95
708225	Blue Tubing	100 ft.	1/2"	5/8"	\$32.95
708230	White Tubing	100 ft.	1/2"	5/8"	\$45.95
708235	Black Tubing	100 ft.	1/2"	5/8"	\$39.95
708245	Black Tubing	100 ft.	3/4"	1"	\$113.95
708250	White Tubing	100 ft.	3/4"	1"	\$139.95
708251	Black Tubing	50 ft.	1"	1 1/4"	\$77.95



## VINYL TUBING

Flexible, durable vinyl tubing. Comes in 100 or 50 foot lengths, 6 different diameters and 4 different colors. Good for drip systems, hydrogardening and aquariums.



# PUMPS & IRRIGATION



## GROMMETS



These grommets can be used to replace old, worn grommets in your hydroponic systems and are essential components when making a system from scratch.

Code#	Description	MSRP
708300	1/4" (6mm) Grommet	.99¢
708305	1/2" (13mm) Grommet	.89¢
708310	5/8" (16mm) Grommet	.99¢
708315	3/4" (19mm) Grommet	\$1.39

## GROMMETS



Code#	Description	Per Bag	MSRP
708320	1/2" Grommet	25 pcs	.49¢
708321	1/2" Grommet	500 pcs	.49¢
708325	1" Grommet (Aeroflo Chamber Sprayline)	10 pcs	\$1.69
708330	1-1/4" Grommet (Aeroflo Chamber Drain)	10 pcs	\$1.89

## FLOAT VALVE



Code#	Description	MSRP
708170	Float valve	\$15.95

An essential part for do-it-yourselfers! This float valve assembly controls the water/nutrient solution level in your primary reservoir (controller). Comes with 1/2" brass barbed fitting.

## CLIC CLAMPS FOR TUBING



Ensures a secure hose connection. Easy to use.

Code#	Description	MSRP
708005	1/2" Clic Clamp	.69¢
708010	3/4" Clic Clamp	.99¢
708020	1" Clic Clamp	\$1.10

## HOSE PUNCH



Code#	Description	MSRP
708180	1/8" Hose punch	.75¢

Tough enough to punch a hole in thick, flexible tubing. Makes a 1/8" hole specifically for drip lines.

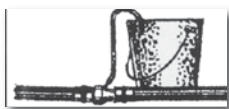
## AQUA SHUTTLE KIT



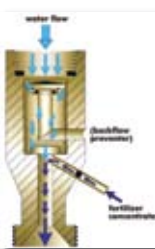
Used to convert an Ebb and Flow system to a drip system.

Code#	Description	MSRP
706115	Aqua Shuttle Kit	\$26.95

## ECOPLUS™ BRASS SIPHON MIXER



The Siphon Mixer should be no more than 50 ft from the nozzle end to work correctly. If more than 50 ft of hose used siphon mixer can be connected between sections of hose.



Code#	Description	MSRP
708400	Brass Hose Siphon	\$17.95

A time-tested, accurate proportioning device designed for small scale growers for the dispensing of fertilizers, insecticides, fungicides and other water soluble products through a hose. The Siphon Mixer proportions at the rate of 1 gallon of concentrate to 16 gallons of water. One gallon of concentrate is dispensed in 3 to 5 minutes depending on the flow rate. A larger diameter hose, i.e. 5/8" instead of 1/2", will give a larger flow rate. Excessive back-pressure will cause the siphon to stop drawing. Adjustable nozzles should not be used or should be wide open for best results. The siphon mixer needs 35 p.s.i. minimum.

## WATER ALARM WITH REMOTE SENSOR - Detects Water & Sounds Alarm



Suction cup side for mounting directly to side of reservoir



Code#	Description	Cs Qty	MSRP
740090	Water Alarm with Remote Sensor	24	\$16.95

- Warns of leaks and overflows in reservoirs, aquariums or anywhere there is a potential for leaks
- Low battery signal tells user when it's time to replace the battery
- Circuit test bar ensures system is working
- Alerts user within hearing range that water has reached desired level when used to monitor the filling of pools, reservoirs, aquariums and more
- An ideal backup system for sump and bilge pumps in residential, commercial & marine applications
- Sensor and alarm can be placed up to 6 feet apart
- Loud 85 dB (decibel buzzer). Sounds for up to 3 days
- One year warranty