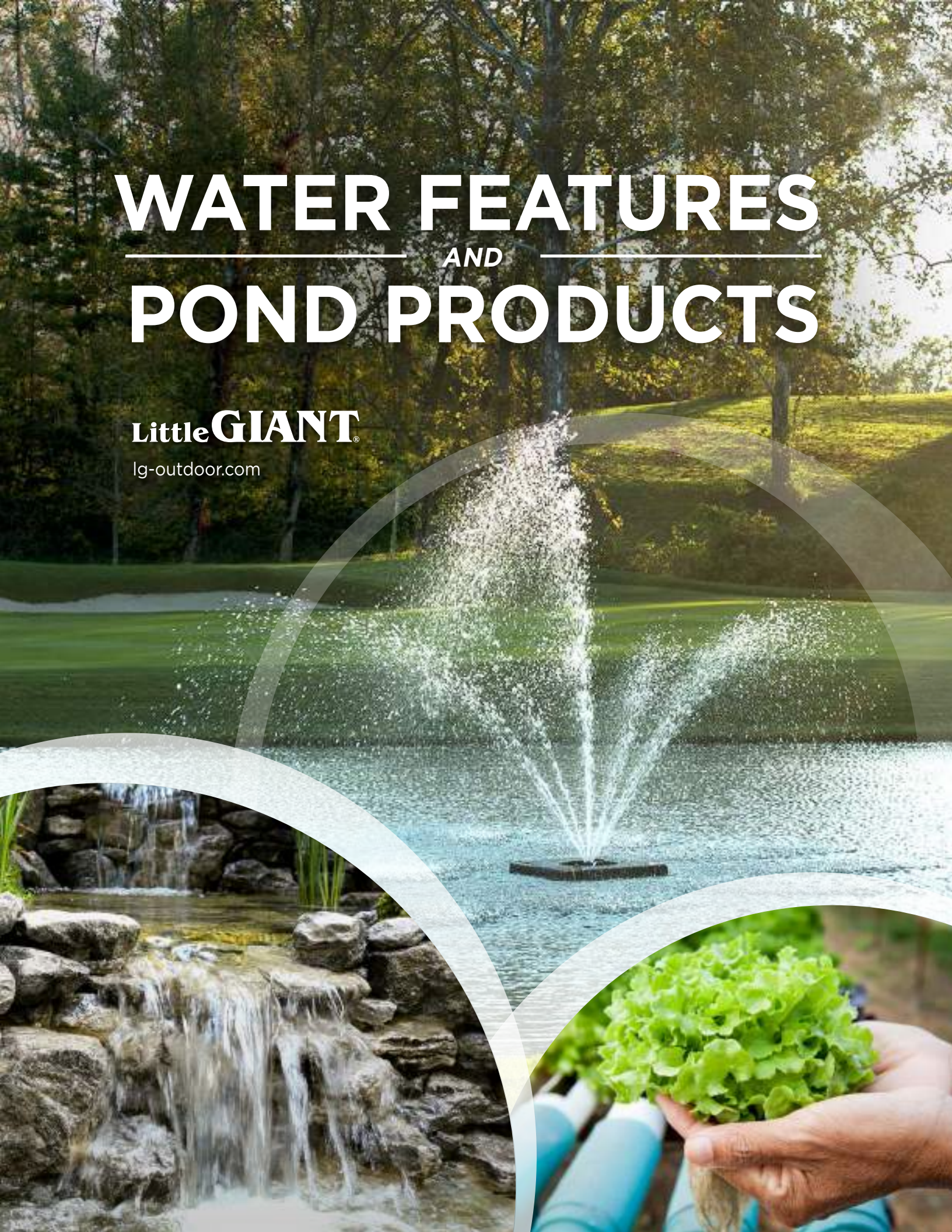


WATER FEATURES AND POND PRODUCTS

LittleGIANT®

lg-outdoor.com





LittleGIANT®
Decorative Water

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Metric Conversions

We are honored to offer our catalog in multiple languages to support all of our customers. All of the formulas and equations throughout the catalog are in U.S. units. If you prefer to use metric units, we offer conversion formulas on the right. The letters and symbols in parentheses are other ways that word is substituted.

EQUATIONS

DISTANCE

Feet (ft) (') x 0.3048 = Meter
Meter x 3.28 = Feet (ft) (')
Inches (") x 2.54 = Centimeter
Centimeter x 0.39 = Inches (")

VOLUME

Gallons (g) x 3.78 = Liter
Liter x 0.264 = Gallons (g)

PRESSURE

PSI x 0.07 = Bar
Bar x 14.5 = PSI

Franklin Electric Company & Little Giant® Products

Franklin Electric is a global leader in the production and marketing of systems and components that move water and automotive fuels. A world-renowned technical leader in its specialties, Franklin Electric serves residential, commercial, agricultural, industrial, municipal, and fueling customers.

Staffed by over 5,000 dedicated employees worldwide, Franklin Electric has manufacturing and distribution facilities located in 18 countries.

Little Giant® products are delivered worldwide without sacrificing personal service. Our unique customer assistance program matches highly trained customer service professionals with specific geographic regions, so they can maintain a thorough knowledge of a territory and its unique needs based on weather, trends, and more. With on-site engineers, we have the advantage in the market for developing new products, resolving issues, and general innovation.

Quality, availability, service, and innovation bring value to Little Giant® products. An extensive market research on customer preferences of product features, informative marketing materials, and unique programs are the business components that keep customer confidence levels high.



Our 200,000 sq ft centrally-located warehouse enables fast and complete fill rates.



Responsive employees are ready to offer expert assistance.



Franklin Electric engineers design products for easy installation, high performance, long life, and exceptional value.



LittleGIANT®

Step-by-Step Sizing Guide

Every pond and fountain has different sizing requirements for the equipment needed. For your feature to be enjoyed with minimal maintenance, it is important to select a properly sized pump, filter, liner, etc. Visit our website, lg-outdoor.com, for additional information and to download and print a sizing guide grid. All measurements are in feet and gallons.

1. The first step in any feature is to size the liner required for containment. Use the same formula for both the width and depth of the liner:

$$\text{Length} + (2 \times \text{Depth}) + 2 = \text{Length of liner}$$
$$\text{Width} + (2 \times \text{Depth}) + 2 = \text{Width of liner}$$

2. Now that the containment is sized, the next step in sizing any feature is determining the amount of water you will have. To calculate gallons, use this formula:

$$\text{Length (ft)} \times \text{Width (ft)} \times \text{Depth (ft)} \times 7.48 = \text{Gallons}$$

3. All of the equipment for a pond or water garden is sized by the number of gallons that it contains. By flowing water at least once an hour through the filtration system, the amount of required maintenance is reduced. The flow down the stream and waterfall needs are calculated so it appears natural. Equipment selection is based on the size of the flow.

A 3000 gallon pond will require products that can handle at least 3000 gallons per hour of flow.

$$\text{Width of stream (waterfall) ft} \times 1200 \text{ gph} = \text{Stream flow to appear natural}$$

4. The most important component of a feature is the pump. It is the heart of the pond, circulating the water through the filter and back down the stream into the pond. To determine the correct pump, the height from which it must push the water needs calculated.

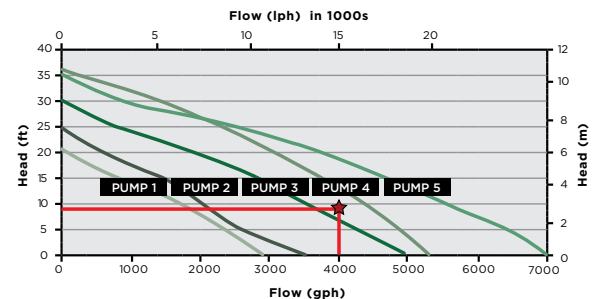
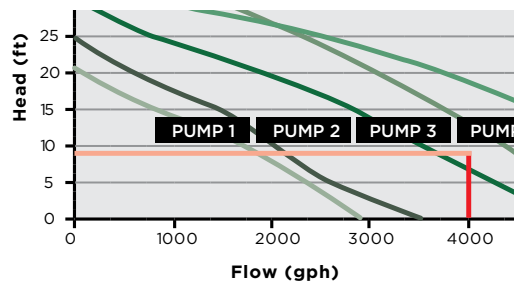
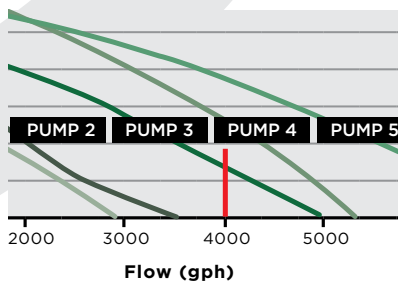
Measure vertical distance from top of water level to discharge point (top of waterfall)

5. Now that the vertical distance the pump must push the water is known, a pump can be selected. There are multiple ways to select pumps and multiple styles of pumps to choose from. The primary method is a pump curve. When viewing a pump curve, the flow rate is on the top and bottom, and the height-to-push is on the sides.

a. Select your required flow rate on the chart, drawing a line up.

b. Select your height, drawing a line from the right.

c. Choose the pump with a curve that is just above that point. In the example below, you would select Pump 4.



Use the information you calculated to browse through our product offering and select the best quality products for years of future enjoyment. Should you have any product-related questions, please visit our website lg-outdoor.com or contact our technical support team at 888.956.0000.

Fountains & Features

Fountains and water features are an easy and affordable way to enhance any home, garden, or business with soothing sounds of water. We offer lightweight, self-contained fountains, as well as space-maximizing disappearing features. Our fountain nozzle selection adds that finishing touch to any decorative water installation.



LittleGIANT®

Fountains & Features

Disappearing Water Features



FOUNTAIN KITS	Item No.	Includes
PFK	566597	PF30, DFB36, FPB, PES 800
LBFK	566598	LBF30, DFB36, FPB, PES 380
FPB	566596	Fittings, Pipe, Shims, Grommet

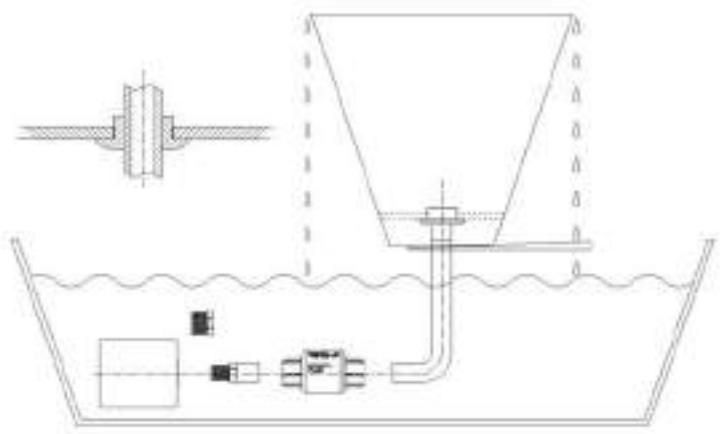


LBFK



PFK

FPB will work with any item to convert it to a water feature.



AERATION SYSTEM

FILTRATION

WATER PUMPS

LIGHTING & CONTROLS

CONSTRUCTION

POND CARE

Fountains & Features

Disappearing Water Features

Disappearing Fountains

Disappearing fountains are modern, inexpensive, and easy to assemble. These lightweight and durable fountains will help to improve your home, garden or patio while offering a relaxing, calming atmosphere.



PAPYRUS FOUNTAINS™	Item No.	Dimensions	Finish
PF30	566590	31" H	Caviar Black
PF31	566591	31" H	Antique Rust
PF32	566592	31" H	Weathered Graystone



LOTUS BOWL FOUNTAINS™	Item No.	Dimensions	Finish
LBF30	566593	30" D	Old Bronze
LBF31	566594	30" D	Weathered Graystone
LBF32	566595	30" D	Antique Rust

Fountains & Features

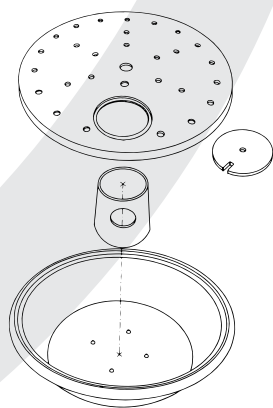
Disappearing Water Features

Basins & Vaults

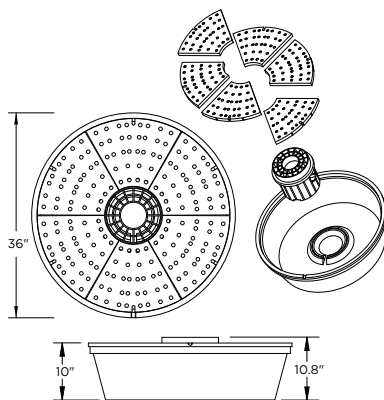
Little Giant® heavy-duty disappearing water feature basins are perfect for in-ground installations. Our basins are ideal for smaller applications when you want the soothing sounds of water but are limited on space. Basins sit flush with the ground, and the sectioned access plates make maintenance a breeze. Cover your basin with a wide variety of rocks or pottery (not included) for a disappearing water effect.



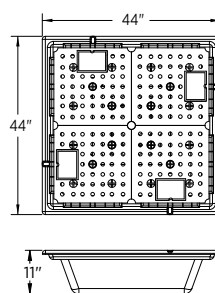
BASINS & VAULTS	Item No.	Dimensions	Advantages
DFB36	566517	36" W x 36" L x 10.8" H	Supports up to 2000 lbs
DFB36PP	566559	-	Pallet includes (5) 36" basins
DFB44	566558	44" W x 44" L x 11" H	Supports up to 3000 lbs
DFB44PP	566560	-	Pallet includes (5) 44" basins
DFB30	566599	30" W x 30" L x 10" H	Supports up to 500 lbs
SF	566410	19" W x 19" L x 22" H	Pump vault for easy pump access
FF4	566516	-	Fountain Support Feet, 4 pk., for use with DFB36



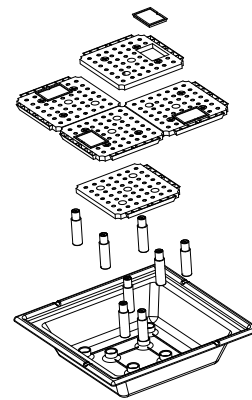
DFB30



DFB36



DFB44



Fountains & Features

Disappearing Water Features

Waterfall Weirs

Waterfall weirs allow you to create a smooth beginning to any stream or waterfall. They install easily within or outside the liner. SPW comes with filter media, and all models come with plumbing attachments.

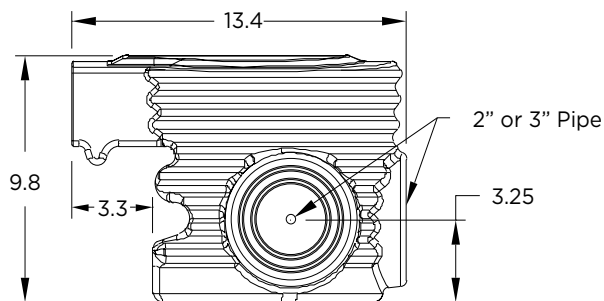
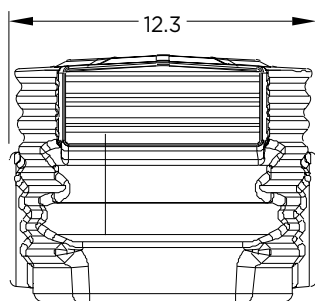


WFW

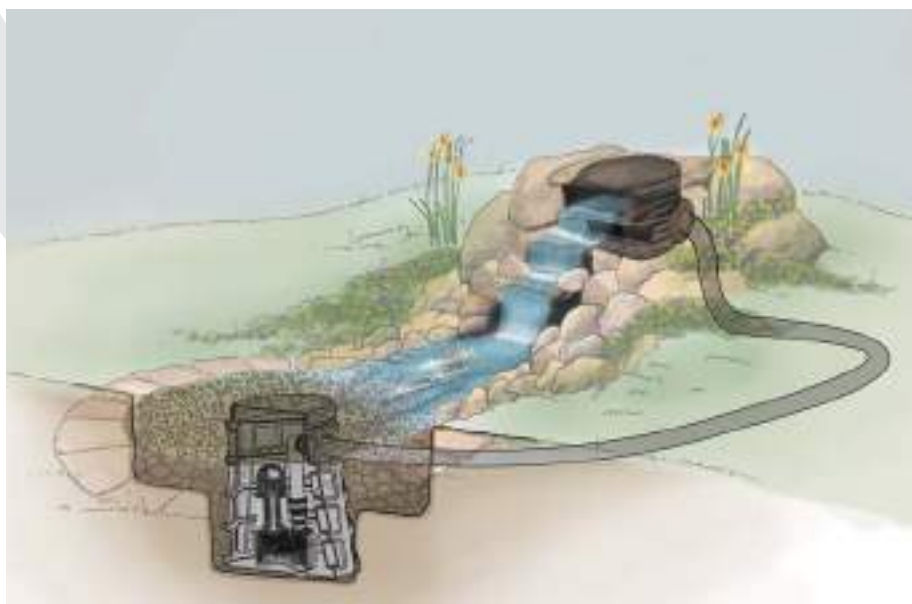


SPW10

WATERFALL WEIRS	Item No.	Dimensions	Max. Flow Rate	Weir Width
SPW10	517202	11" x 11-1/2" x 10-1/2"	1000 gph	10"
SPW18	517203	19" x 11" x 10-1/2"	4000 gph	18"
WFW	566239	9.5" H X 13" D	6000 gph	7.75"



To view the list of products required to build a disappearing fountain kit, please see page 37.

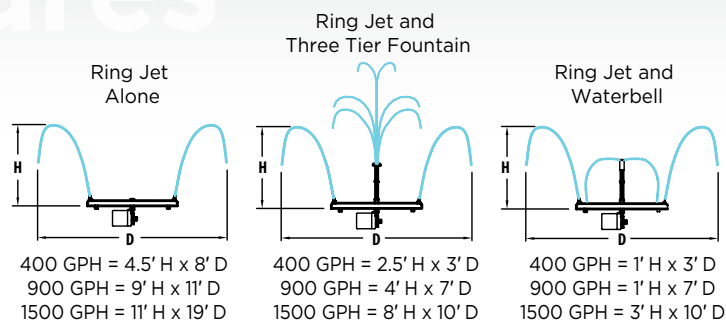


Fountains & Features

Fountains

Fountain Nozzles

The most appealing aspect of a water garden is the tranquil sights and sounds of moving water. We offer a range of fountain nozzle patterns to create a unique effect in your customer's pond. These nozzles are easy to use and designed to work with a wide selection of Little Giant® pumps.



FOUNTAIN NOZZLE	Item No.	Inlet	Advantages	Application & Product Image
RING JET RJ21	517200	• 1/2" FNPT	• 17" diameter with 21 adjustable outward, inward or spiral spray pattern jet nozzles	 
WATERBELL FOUNTAIN NOZZLE FHT-1280-PW	566240	• Fits pumps with 1/4" and 1/2" threaded discharge	• Waterbell spray pattern • Telescoping stem extends 8"-12"	 
FOUNTAIN HEAD KIT FHK-1-PW	566266	• Fits pump with 1/4" MNPT discharge	• Daisy, tulip, and waterbell spray pattern • Telescoping stem extends 8"-12" • Flow control valve for spray adjustments	   
THREE-TIER FOUNTAIN NOZZLE KIT FHT-1090-PW	566267	• Fits pumps with 1/4" and 1/2" threaded discharge	• Three-tier spray pattern • Telescoping stem extends 8"-12"	 
BUBBLING FOUNTAIN NOZZLE FHT-1170-PW	566518	• Fits pumps with 1/4" and 1/2" threaded discharge	• Bubbler spray pattern • Telescoping stem extends 8"-12"	
DIVERTER VALVE FHV-2549-PW	566523	• For use with 1/4" and 1/2" threaded discharge pumps and all Little Giant® fountain nozzles	• Allows operation of second water feature from one pump • Discharge connects to 1/2" NPT pipe and 3/8" or 1/2" ID tubing	
FOUNTAIN ACCESSORIES	Item No.	Advantages		
FOGGER KIT WITH TRANSFORMER FG-1-PW	566529	• Creates a soothing, natural layer of fogging mist above water surface • Low water shut-off mechanism • Submersible use only • 24 Volt UL-listed class 2 transformer with 6' power cord		
FOUNTAIN CLEANER 4 OZ. WT-TTC-4	566042	• Safe for humans, pets, and fish • Water-based, all-natural ingredients • Biodegradable and non-toxic		



Aeration System

Little Giant's® multi-functional aeration and fountain system is capable of moving up to 800 gpm for bodies of water up to one acre in size. With the easy installation of a fountain nozzle, the aerator is transformed into an attractive fountain display. Whether your primary goal is aesthetics or biological pond health, Little Giant® offers this easy-to-use, reliable, all-in-one solution to keep your body of water clean and healthy.



LittleGIANT®

Aeration System

Aeration System

Features

- All-in-one packaged system (float, aerator, Franklin Electric motor)
- Ready out of the box
- Easy installation
- Simple sizing 1/2 hp per 1/2 surface acre

Benefits

- Aeration/fountain interchangeability
- Enhances biological activity
- Improves water quality
- Multiple visual options
- Simplifies maintenance in water
- Plug-and-play, no control box required



AERATION SYSTEM*	Item No.	HP	Amps	Voltage	Cord (ft)	Min. Operating Depth	Max. GPM	Pattern		Application Image
								Avg. Height (ft)	Avg. Width (ft)	
APA-05-HAR	517300	1/2	12	115	100	18"	350	4	10	
APA-10-HAR	517301	1	10.8	230	150	18"	800	6	16	

- Includes float, aerator, and Franklin Electric motor.

AERATION UNIT ACCESSORIES

AERATION UNIT ACCESSORIES	Item No.	HP	Included
FOUNTAIN PUMP CONVERSION KIT FPA-05-K01	517310	1/2	Pump head, nozzle stem, and Sonata, Cantata, and Concerto fountain nozzles
FOUNTAIN PUMP CONVERSION KIT FPA-10-K01	517311	1	Pump head, nozzle stem, and Sonata, Cantata, and Concerto fountain nozzles



FOUNTAIN NOZZLES	Item No.	Aeration System HP	Pattern		Application & Product Image
			Avg. Height (ft)	Avg. Width (ft)	
SONATA FNA01	517319	1/2	14	28	
		1	16	32	
CANTATA FNA02	517320	1/2	13	18	
		1	20	20	
CONCERTO FNA03	517321	1/2	15	30	
		1	30	50	
STACCATO FNA04	517322	1/2	8	14	
		1	14	18	
CRESCENDO FNA05	517323	1/2	13	-	
		1	25	-	

Filtration

Little Giant® filtration is engineered to encourage balanced ecosystems in new or existing ponds. Our durable skimmers improve surface cleaning with an easy flow-through design that both simplifies installation and minimizes maintenance.

The highly-efficient biological waterfall filters use the latest filtration technology to decrease maintenance time and provide quick, toolless access to the filters. We also offer pressurized filters and UV lights for the most discerning consumer. Easily installed, they can be added to any new or existing water feature.



LittleGIANT®

Filtration

Small Mechanical Filtration

Pump Pre-Filters

Mechanical filters clean the water before it enters the pump, ensuring your pump runs more efficiently and effectively, and with less maintenance. Easy-to-use replacement media takes the hassle out of filter maintenance.

- Extends pump life
- Multiple sizes
- Simple replacement media

PUMP PRE-FILTERS	Item No.	Inlet
FB-PW	566108	-
PF-AD-PW	566107	1/2" push on
CFS-170T	517100	1" FNPT
CFS-155T	517506	1/2" and 3/4" FNPT
CFS-100	517505	1/2" push on
TS-1.5	517102	1-1/2" FNPT
TS-2.0	517103	2" FNPT
TS-3.0	517503	3" FNPT

REPLACEMENT FILTER PADS	Item No.	Included
FK-SBF-RP-PW	566111	1 coarse and 1 fine filter pad
SBF-1-RP-PW	566113	1 coarse and 1 fine filter pad
PF-RP-PW	566109	1 filter pad
CFS-955	517101	1 filter pad



PR-RP-PW



FK-SBF-RP-PW



SBF-1-RP-PW



CFS-955



Filtration

Mechanical Filtration



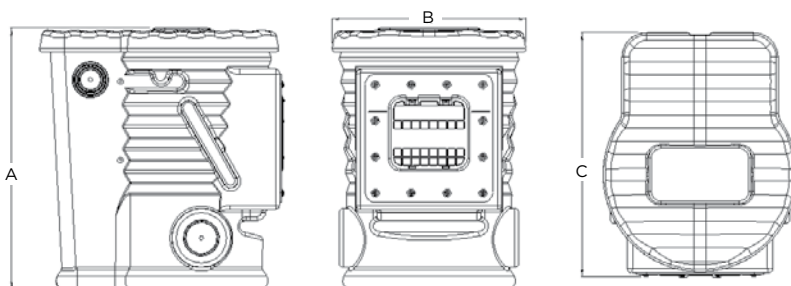
Skimmers

Little Giant® skimmers are engineered to encourage balanced ecosystems in new or existing ponds. These durable skimmers improve surface cleaning with an easy flow-through design that both simplifies installation and minimizes maintenance.

- Two stages of filtration provided
- Multiple sizes fit every feature
- Third optional stage for added filtration



SKIMMERS	Item No.	Dimensions (Inches)			Max. Flow
		A	B	C	
SK2.5	566131	23.25	21.7	17.2	2500 gph
SK5	14940171	23.25	25.9	20.0	5000 gph
SK10	14940172	23.25	31.4	23.9	10000 gph



SKIMMER ACCESSORIES	Item No.	Dimensions	Discharge	Included
OPTIONAL SKIMMER FILTER PADS FOR SK2.5	170473	11.5" W x 17.5" H	-	1 Pad
OPTIONAL SKIMMER FILTER PADS FOR SK5	170338	14.5" W x 19" H	-	1 Pad
OPTIONAL SKIMMER FILTER PADS FOR SK10	170337	18.75" W x 19" H	-	1 Pad
AFV-GH AUTO FILL KIT	566286	-	• 1/2" MNPT auto-fill valve • 1/2" barb adapter • 1/2" female adapter • 3/4" FGHT (garden hose adapter)	-
PRS-BDK-2 BOTTOM SIPHON KIT	566181	-	-	• 2" double threaded bulkhead fitting • 2" PVC gate valve • Intake screen



Filtration

Biological Filtration



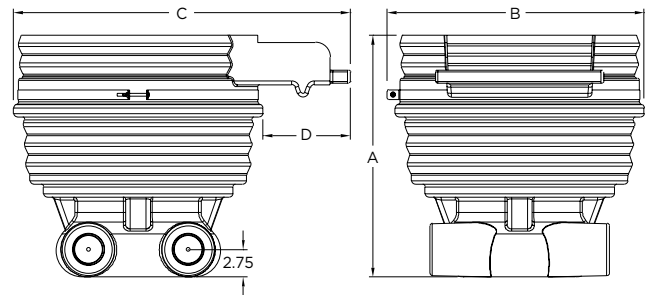
Waterfall Filters

Little Giant® biological waterfall filters were created to help maintain a balanced ecosystem. These highly-efficient models use the latest filtration technology to decrease maintenance time and provide quick, toolless access to the filters. Our units produce natural-flowing waterfalls, with all plumbing hidden.

- One-step backwash capability
- Easily accessible media for maintenance
- Simple silicone-free installation



WATERFALL FILTERS	Item No.	Dimensions (Inches)				Max. Flow	Pipe Connection
		A	B	C	D		
WF5	571010	24.3	25.8	33.8	8.8	5000 gph	2"
WF10	571011	28.8	32.3	40.2	8.8	10000 gph	2" or 3"



WATERFALL FILTER ACCESSORIES

Item No.	
WFF-20 - ROCKIN FOAM®	599057
BFK-M - BACKFLUSH KIT	14940321



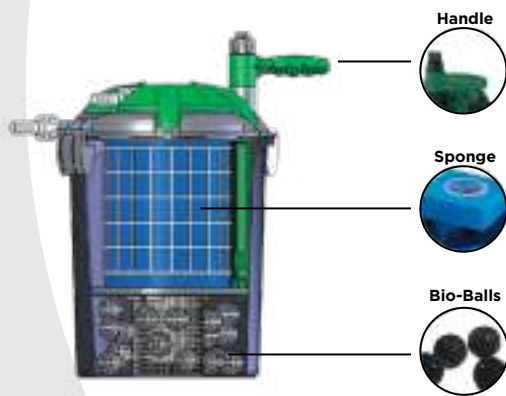
Filtration

Biological Filtration

Pressurized Filters

Installed above or underground, these pressurized filter systems improve filtration and promote the colonization of beneficial bacteria. Maintenance is a simple backwash with the valve. Use in conjunction with Little Giant® pumps, skimmers, and UV clarifiers for optimum filtration.

- Easy to use backwash style
- PBF includes pressure gauge and bacteria
- PF grab-and-twist handle allows simple filter cleaning



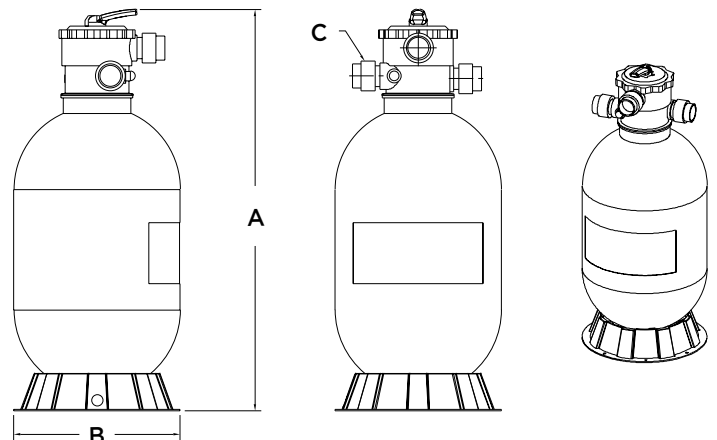
Max. Pressure 5 PSI

PRESSURIZED FILTERS	Item No.	Dimensions (Inches)			Max. Flow
		A	B	C	
PF-800	566119	18	14	14	800 gph
PF-1200	566120	21	14	14	1200 gph
PF-2400	566126	25	14	14	2400 gph
PBF-2000	566881	31	16	1-1/2"	2000 gph
PBF-4000	566882	36	19	2"	4000 gph
PBF-6000	566883	46	24	2"	6000 gph

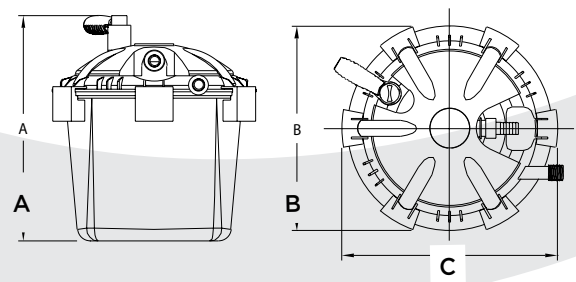
PRESSURIZED FILTER ACCESSORIES	Item No.	Amount
BM-30-PW	566112	30 count



BM-30-PW



PBF



PF

Filtration

Ultraviolet Clarifiers



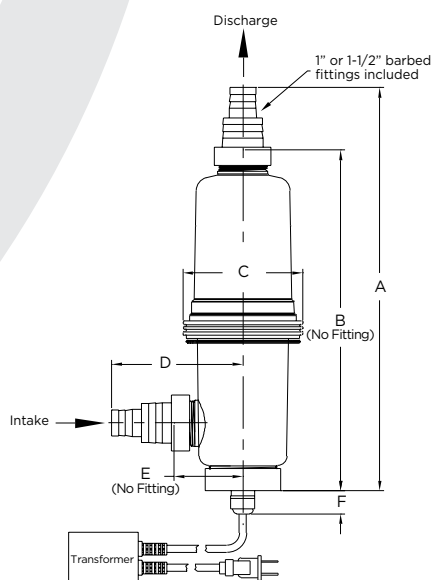
UVC

Little Giant® UV clarifiers eliminate green water fast to improve pond health and beauty. Built to last from industrial-grade materials, these units are easily maintained and have a safety feature to prevent UV-C exposure.

- Safe for plants and fish
- Easy maintenance and cleaning
- Installs in-line easily (cannot be submerged)
- Efficient compact size
- Clear cap to see bulb working



ULTRAVIOLET CLARIFIERS	Item No.	Dimensions (Inches)						Max. Flow	Max. Pond Size
		A	B	C	D	E	F		
UVC9	517424	16.07	13.50	4.65	5.4	1.64	0.95	500 gph	800
UVC18	517425	16.07	13.50	4.65	5.4	1.64	0.95	1000 gph	1200
UVC36	517426	16.07	13.50	4.65	5.4	1.64	0.95	2000 gph	2400



Understanding UV

As algae passes by the light, the chlorophyll of the algae is affected, causing the cells to stick together. The now-larger cell groups are lodged in the biological filter and consumed by the beneficial bacteria. When using a UV clarifier for the first time, it is a good idea to clean your filter pads in all filters for the first few days.



Pumps

Franklin Electric has developed the broadest and most reliable line of Little Giant® pumps on the market. Pumps are the heart of any water feature, because circulation is the key to a healthy aquatic environment. To facilitate that circulation, Little Giant® pumps are available in a complete range of flow rates. Each exceptionally-engineered pump features rugged construction to install easily and last for years.

F-Series Pumps



LittleGIANT®

Water Pumps

Wet Rotor Pumps

F-Series

Our wet rotor canned motor pumps are designed with multi-purpose flexibility right into the pump. They can be used submersed or externally, mounted vertically or horizontally. With MNPT threads and fittings built in, attaching fittings is a breeze.

The included pre-filter makes these pumps built for flexibility and durability in any decorative water application.

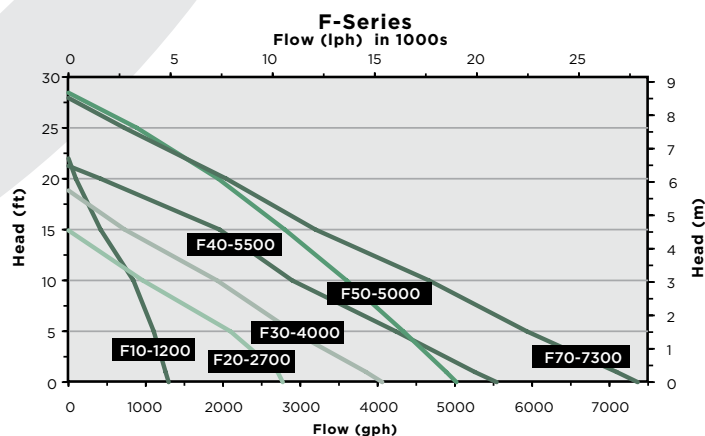
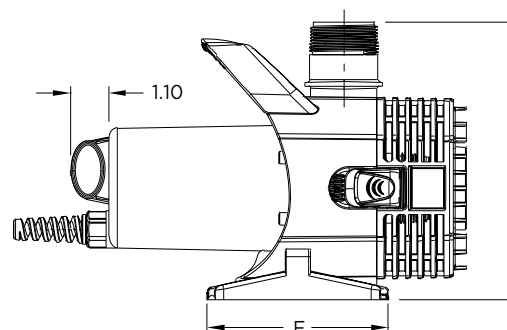
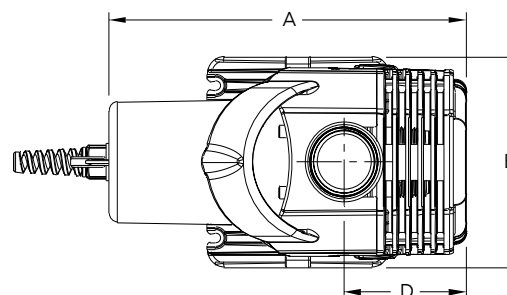
- Constructed without mechanical seal or oil
- Screw attachment to hold screen in place
- Rope/cable loop for deep installation retrieval
- Modular screen ability



F-SERIES	Item No.	Amps	Watts	Cord (ft)	Submerged Use	Inline Use	Discharge & Inlet MNPT & SPIG	Gallons Per Hour (GPH) at height							Shut-off (ft)
								0'	1'	5'	10'	15'	20'	25'	
F10-1200	566724	1.3	157	20'	✓	✓	1.5"	1295	1255	1105	840	415	95	-	22'
F20-2700	566725	1.25	147	20'	✓	✓	1.5"	2770	2705	2095	960	-	-	-	14.9'
F30-4000	566726	1.82	215	20'	✓	✓	2"	4060	3850	2900	1920	730	-	-	18.8'
F40-5500	566727	3.0	360	20'	✓	✓	2"	5540	5255	4235	2895	1955	415	-	21.3'
F50-5000	566728	3.6	413	20'	✓	✓	2"	5020	4890	4330	3600	2800	1940	885	28.5'
F70-7300	566729	5.5	660	40'	✓	✓	2"	7365	7095	5930	4665	3195	2040	725	28'

DIMENSIONS (INCHES)

	A	B	C	D
F10-1200	9.93	5.71	7.54	3.40
F20-2700	9.93	5.71	7.54	3.40
F30-4000	13.25	6.10	8.00	5.60
F40-5500	13.25	6.10	8.00	5.60
F50-5000	13.25	6.10	8.00	5.60
F70-7300	13.25	6.10	8.00	5.60



*Pump performance at 120 VAC with no intake screen

≤ 400 Gal	≤ 800 Gal	≤ 1200 Gal	≤ 2400 Gal	> 2500 Gal	Professional	Decor	Maintenance
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Water Pumps

Wet Rotor Pumps

FP-Series

Our wet rotor water feature pumps are energy efficient and ideal for powering water features and pond filtration systems with flow requirements from 1,000 gph to 8,100 gph. These pumps are rated for continuous duty to operate in the most rigorous applications.

- Fitting adapters included
- Use with a screen or skimmer recommended
- Energy efficient
- Can be used externally or submerged



FP1



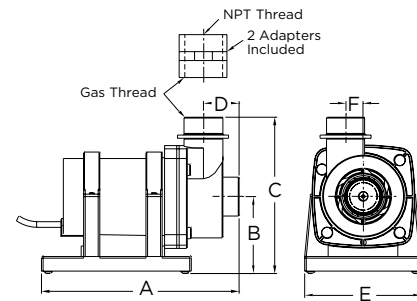
FP9



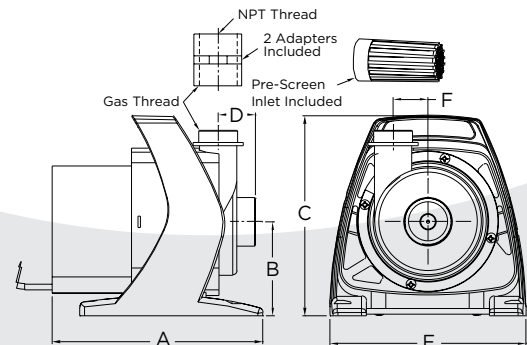
FP-SERIES	Item No.	Amps	Watts	Cord (ft)	Submerged Use	Inline Use	Inlet FNPT	Discharge FNPT	Gallons Per Hour (GPH) at height					Shut-off (ft)
									5'	10'	15'	20'	25'	
FP1	566132	0.9	106	26	✓	✓	1-1/4"	1-1/4"	1000	390	-	-	-	14
FP2	566133	1.45	167	26	✓	✓	1-1/2"	1-1/2"	2220	1210	400	-	-	16
FP3	566134	1.85	226	26	✓	✓	2"	2"	3200	1640	690	-	-	17
FP6	566135	4.6	557	26	✓	✓	2"	1-1/2"	5760	4380	3000	1730	350	27
FP9	566137	6.5	730	26	✓	✓	2"	2"	8100	6580	4860	3290	1930	31

DIMENSIONS (INCHES)

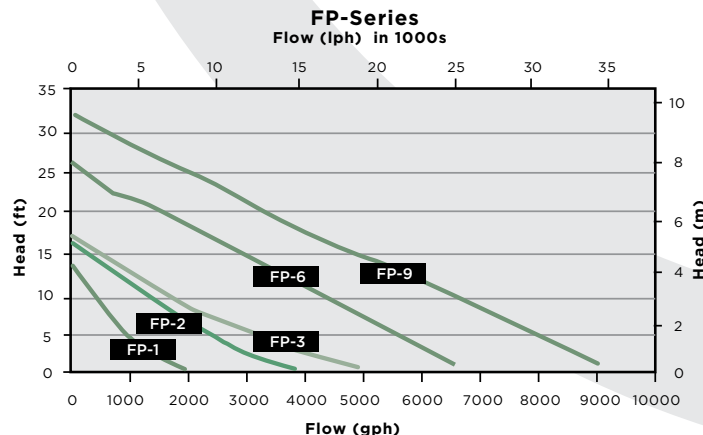
	A	B	C	D	E	F
FP1	9.2	3.8	7.7	1.6	5.7	1.0
FP2	9.5	3.8	7.7	1.7	5.7	0.85
FP3	10.3	3.8	7.8	2.1	5.7	1.0
FP6	10.0	4.4	9.6	1.8	9.5	1.7
FP9	10.0	4.4	9.6	2.1	9.5	1.7



FP1, FP2, FP3



FP6, FP9



Water Pumps

Magnetic Drive Pumps

PES-Series

Designed to operate continuously with minimal energy consumption, magnetic drive pumps offer a corrosion-resistant body specifically for submersible use. Easy to install and maintain, magnetic drive pumps are ideal for a variety of applications.

- Built-in adjustable flow control valve
- Ceramic shaft for longer life
- Great for tabletop features



PES-700-PW



PES-80-PW

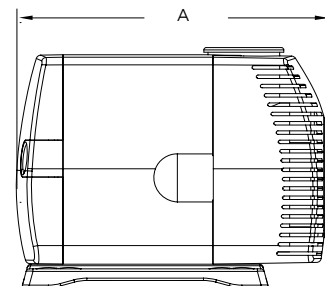
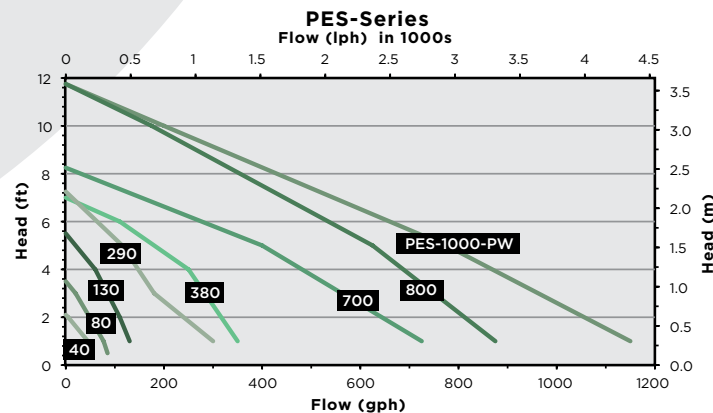
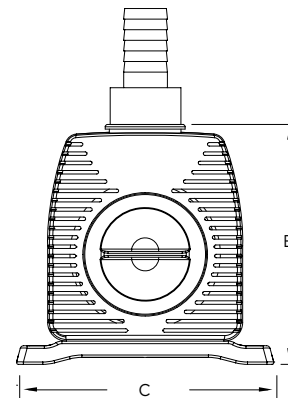


PES-40-PW

PES-SERIES	Item No.	Amps	Watts	Cord (ft)	Submerged Use	Discharge Barb	Gallons Per Hour (GPH) at height				Shut-off (ft)
							1'	3'	5'	10'	
PES-40-PW	566713	0.03	2.5	6'	✓	1/2", 3/8"	45	-	-	-	2.1
PES-80-PW	566714	0.14	8	6'	✓	1/2", 3/8"	77	20	-	-	3.5
PES-130-PW	566716	0.23	11	6'	✓	1/2", 5/8"	130	85	-	-	5.5
PES-290-PW	566717	0.4	23	6'	✓	1/2", 5/8"	300	180	115	-	7.25
PES-380-PW	566718	0.64	33	15'	✓	1/2", 5/8"	350	285	180	-	7
PES-700-PW	566720	0.75	57	15'	✓	3/4"	725	560	400	-	8.25
PES-800-PW	566721	0.95	109	15'	✓	3/4"	875	750	625	175	11.75
PES-1000-PW	566722	1.4	160	15'	✓	1"	1150	965	775	200	11.75

DIMENSIONS (INCHES)

	A	B	C
PES-40-PW	1.9	1.16	1.7
PES-80-PW	2.8	2.3	1.9
PES-130-PW	3.5	3.2	2.8
PES-290-PW	3.7	3.6	2.7
PES-380-PW	4.2	3.6	2.7
PES-700-PW	5.3	4	4.3
PES-800-PW	5.3	4	4.3
PES-1000-PW	5.7	4.4	4.3



Water Pumps

Direct Drive Pumps

PE-Series

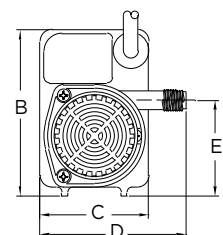
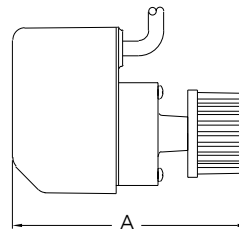
Designed to operate continuously, direct drive pumps produce greater starting torque and more pressure than comparable magnetic drive pumps. Direct drive pumps are ideal for use in filtration, waterfalls, and streams. Pre-filter is included to protect the pump.

- Hooded volute option for lower intake (fountain)
- Hooded volute indicated by "H"
- Compact design

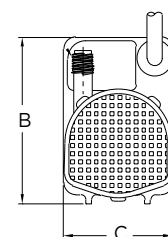
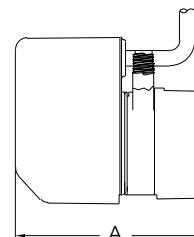
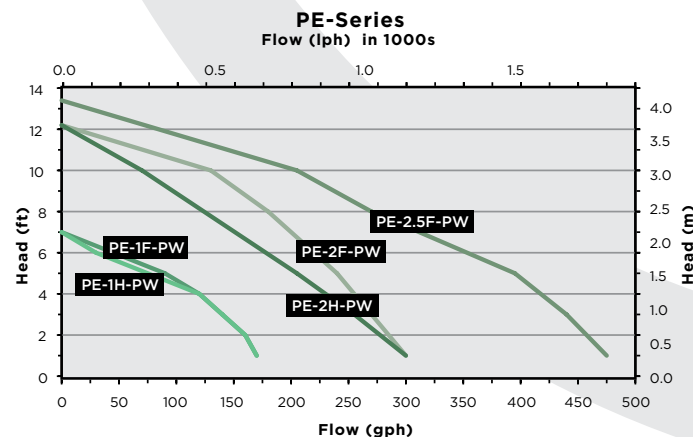


PE-SERIES	Item No.	Amps	Watts	Cord (ft)	Submerged Use	Discharge MNPT	Gallons Per Hour (GPH) at height				Shut-off (ft)
							1'	3'	5'	10'	
PE-1H-PW	566604	0.6	36	6'	✓	1/4"	170	140	100	-	7
PE-1F-PW	566608	0.6	36	15'	✓	1/4"	170	140	90	-	7
PE-2H-PW	566609	0.8	47	6'	✓	1/4"	300	255	205	70	12.2
PE-2F-PW	566611	0.8	47	15'	✓	1/4"	300	270	240	130	12.2
PE-2.5F-PW	566612	1.4	80	15'	✓	1/2"	475	440	395	205	13.4

DIMENSIONS (INCHES)	A	B	C	D	E
PE-1H-PW	3.48	3.58	2.75	-	-
PE-1F-PW	4.9	3.6	2.8	0.9	1.89
PE-2H-PW	4.83	4.15	2.75	-	-
PE-2F-PW	5.6	4.2	2.8	0.9	2.38
PE-2.5F-PW	5.6	4.02	2.9	1.06	2.24



PE-2.5F-PW, PE-2F-PW, PE-1F-PW



PE-2H-PW, PE-1H-PW

Water Pumps

Direct Drive Pumps

Stainless Steel and Bronze Pumps

Our premium stainless steel and bronze pumps come in five models and are a favorite in the industry. These trouble-free pumps can be used in fresh, salt, chlorinated or brominated water and can even be used in hot water up to 110 °F. These versatile pumps can be used submerged or in open air below water level for ponds, water gardens, medium to large fountains, water displays, waterfalls, streams, and for aeration.

- Made in the U.S.A.
- Quiet operation
- Mounting stand option

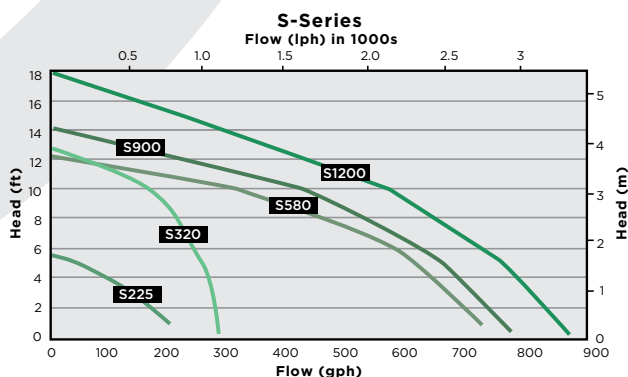


S900T



S225T

S-SERIES	Item No.	Amps	Watts	Cord (ft)	Submerged Use	Inline Use	Discharge MNPT	Intake MNPT	Gallons Per Hour (GPH) at height				Shut-off (ft)
									1'	5'	10'	15'	
S225T-6	517000	0.7	60	6'	✓	✓	1/4"	1/2"	200	81	-	-	5.7
S225T-20	517001	0.7	60	20'	✓	✓	1/4"	1/2"	200	81	-	-	5.7
S320T-6	517002	1.2	89	6'	✓	✓	1/4"	1/2"	290	255	163	-	13.5
S320T-20	517003	1.2	89	20'	✓	✓	1/4"	1/2"	290	255	163	-	13.5
S320T-50	517004	1.2	89	50'	✓	✓	1/4"	1/2"	290	255	163	-	13.5
S580T-6	517005	2.2	203	6'	✓	✓	1/2"	1/2"	755	590	320	-	12
S580T-20	517006	2.2	203	20'	✓	✓	1/2"	3/4"	755	590	320	-	12
S580T-50	517007	2.2	203	50'	✓	✓	1/2"	3/4"	755	590	320	-	12
S900T-6	517008	2.5	234	6'	✓	✓	1/2"	3/4"	810	667	425	-	14
S900T-20	517009	2.5	234	20'	✓	✓	1/2"	3/4"	810	667	425	-	14
S900T-50	517010	2.5	234	50'	✓	✓	1/2"	3/4"	810	667	425	-	14
S1200T-6	517011	3.4	255	6'	✓	✓	1/2"	3/4"	868	745	580	240	18
S1200T-20	517012	3.4	255	20'	✓	✓	1/2"	3/4"	868	745	580	240	18
S1200T-50	517013	3.4	255	50'	✓	✓	1/2"	3/4"	868	745	580	240	18



DIMENSIONS (INCHES)

	A	B	C	D	E	F	G MNPT	H MNPT
S225T	4.0	4.5	3.0	1.5	2	0.3	1/2"	1/4"
S320T	4.0	4.5	3.0	1.4	2.36	0.3	1/2"	1/4"
S580T	4.5	6.5	4.7	2.25	2.75	0.5	3/4"	1/2"
S900T	4.5	6.5	4.7	2.25	2.75	0.5	3/4"	1/2"
S1200T	4.5	6.5	4.7	2.25	2.75	0.5	3/4"	1/2"

*Dimension diagram on next page

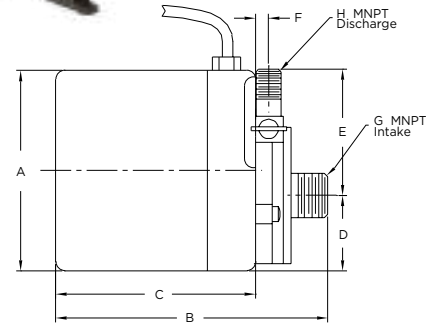
Water Pumps

Direct Drive Pumps

Stainless Steel and Bronze Pumps

STAINLESS STEEL & BRONZE PUMP ACCESSORIES

	Item No.	Amount
SPB1 - POSITIONING BRACKET FITS S580, S900, S1200	517500	1 per pack
CFS100 - PRE-FILTER	517505	1 each



WGP-Series

Efficient, oil-less, direct-drive, dual-discharge pumps produce greater pressure, so each can serve two water features simultaneously. Installed either vertically or horizontally, the corrosion-resistant submersible body is designed for non-potable, continuous operation.

- Use vertically or horizontally
- Removable pre-filter for cleaning
- Ideal for filtration, waterfall, and streams



WGP-95-PW



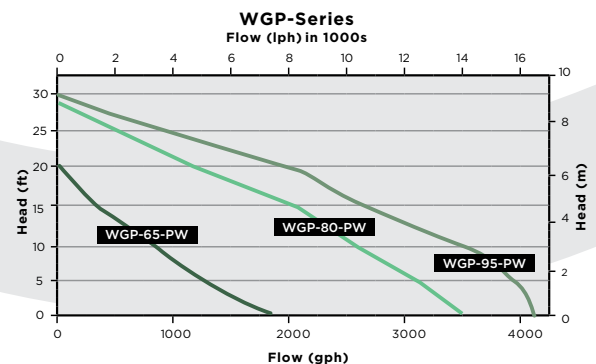
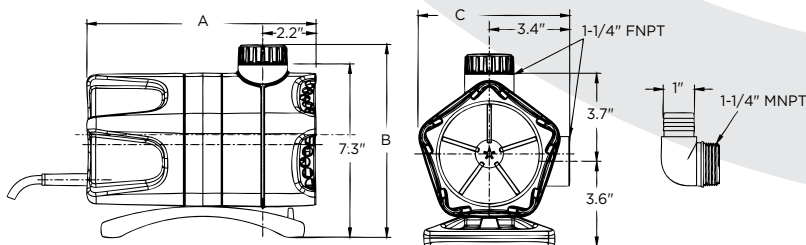
WGP-65-PW



WGP SERIES	Item No.	Amps	Watts	Cord (ft)	Submerged Use	Discharge FNPT	Gallons Per Hour (GPH) at height						Shut-off (ft)
							1'	5'	10'	15'	20'	25'	
WGP-65-PW	566409	2	230	16'	✓	1-1/4"	1900	1250	785	325	-	-	20
WGP-80-PW	566417	6.3	700	16'	✓	1-1/4"	3500	3200	2700	2100	1300	695	29.5
WGP-95-PW	566407	6.3	700	16'	✓	1-1/4"	4280	4000	3500	2850	2200	1370	30

DIMENSIONS (INCHES)

	A	B	C
WGP-65-PW	9.6	8.1	6.35
WGP-80-PW	11.0	8.1	6.35
WGP-95-PW	11.0	8.1	6.35



Water Pumps

Direct Drive Pumps

WGFP-Series

Constructed with stainless steel, cast iron and durable thermoplastic, our solids-handling submersible water feature pumps meet the rigorous demands of the most impressive water features. This year we have added a larger size to meet all of your decorative water needs.

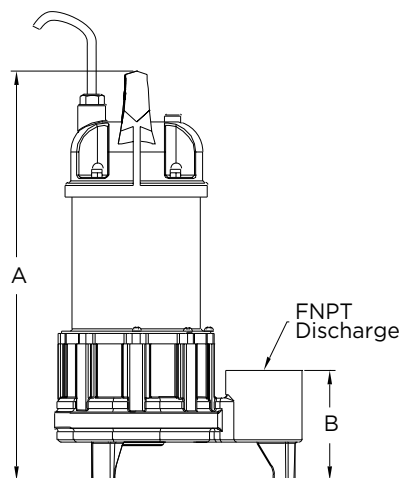
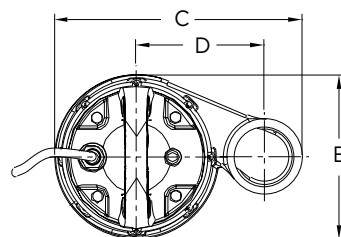
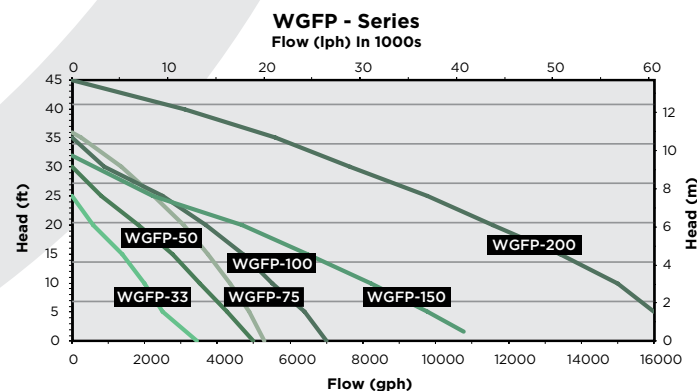
- Designed for water features
- Dual seals for added protection in larger models
- Great as replacement pump and for new construction



WGFP SERIES	Item No.	Amps	Watts	Volts	Cord (ft)	Submerged Use	Discharge FNPT	Gallons Per Hour (GPH) at height								Solids Diameter	Shut-off (ft)
								5'	10'	15'	20'	25'	30'	35'	40'		
WGFP-33	566067	5	455	115 V	19'	✓	1-1/2"	2500	2000	1400	600	-	-	-	-	0.98"	25
WGFP-50	566068	7	590	115 V	19'	✓	2"	4280	3520	2780	1830	800	-	-	-	1.18"	30
WGFP-75	566069	8	847	115 V	19'	✓	2"	4890	4350	3750	3070	2262	-	-	-	1.38"	36
WGFP-100	566070	12	1210	115 V	19'	✓	2"	6400	5500	4700	3700	2500	-	-	-	1.35"	35
WGFP-150	566071	11	1210	115 V	19'	✓	3"	9750	8200	6500	4600	2200	-	-	-	0.75"	32
WGFP-200	566072	9	2085	230 V	19'	✓	3"	16000	15000	13410	11575	9775	7645	5610	3120	0.75"	45

DIMENSIONS (INCHES)

	A	B	C	D	E
WGFP-33	12.86	3.46	7.75	3.98	5.29
WGFP-50	13.85	3.88	8.78	4.53	5.83
WGFP-75	14.44	3.88	8.78	4.53	5.83
WGFP-100	17.35	4.05	10.29	5.18	6.30
WGFP-150	18.50	5.00	11.75	6.50	7.50
WGFP-200	20.31	5.13	11.71	5.96	7.50



Water Pumps

Small Submersible

Our Little Giant® pumps are designed for continuous circulation of statuary fountains. Made with some of the industry's most durable materials, our pumps reach peak performance when completely submerged.

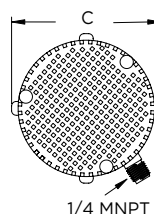
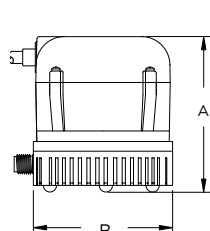
- Oil-filled for cooling
- Prescreen included for protection
- Assorted options for every feature



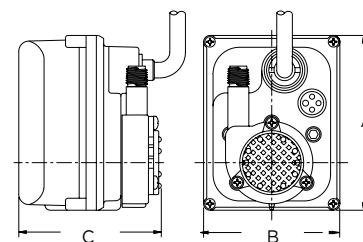
LG-SMALL SUBS	Item No.	Amps	Watts	Cord (ft)	Submerged Use	Discharge	Gallons Per Hour (GPH) at height					Shut-off (ft)
							1'	3'	5'	10'	15'	
#1	501004	1.1	70	6'	✓	1/4"	205	168	120	-	-	7.4
1-MA	521204	1.1	70	6'	✓	1/4"	170	140	100	-	-	7
2EN-38N-WG	502375	1.7	100	15'	✓	1/4"	300	255	205	-	-	11.8
3E-12N	503375	3.2	220	15'	✓	1/2"	500	435	337	210	65	17.3
P-AAA	523375	0.5	30	15'	✓	1/4"	120	70	-	-	-	4.6

DIMENSIONS (INCHES)

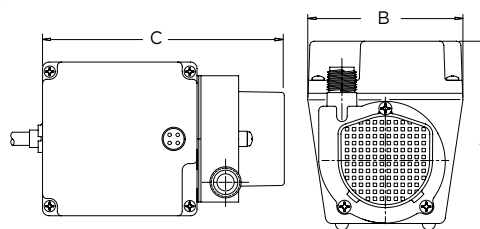
	A	B	C
#1	4.30	3.70	4.10
1-MA	4.30	3.30	3.50
2EN-38N-WG	4.64	3.50	5.55
3E-12N	5.50	4.50	7.00
P-AAA	3.90	3.90	3.00



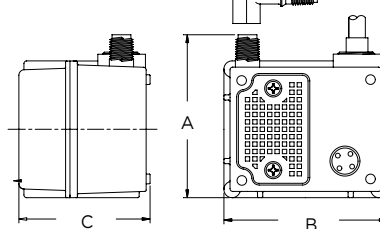
#1



1-MA

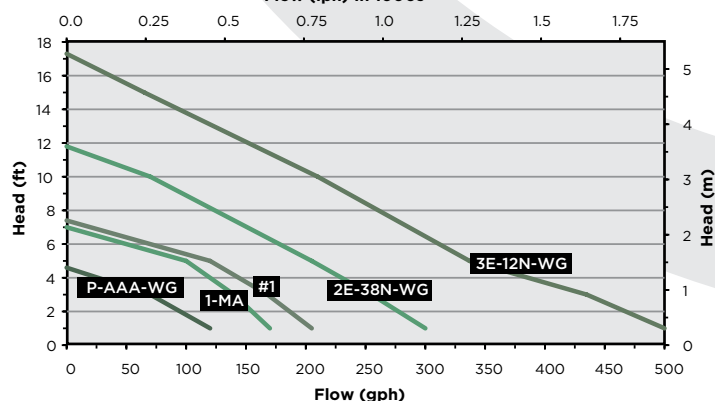


3E-12N, 2E-38N-WG



P-AAA

Small Submersibles
Flow (lph) in 1000s



Water Pumps

External Use Pumps

OPWG-Series

Ideal for indoor or outdoor use, Little Giant® energy-efficient out-of-pond pumps are easy to maintain since they are out of the water. They are engineered for continuous-duty operation and long life. To protect and extend the life of your pump, a leaf basket (listed below) is recommended.

- Great energy-efficient pump option
- Simplifies maintenance
- Leaf basket acts as priming chamber
- OPWG-71 and OPWG-97 come with 230 V option



OPWG-46



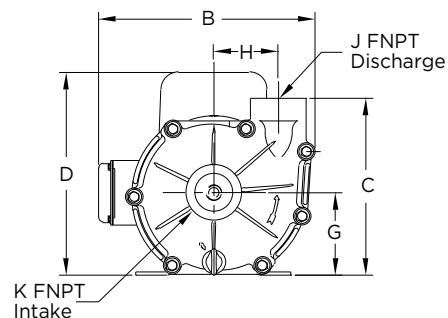
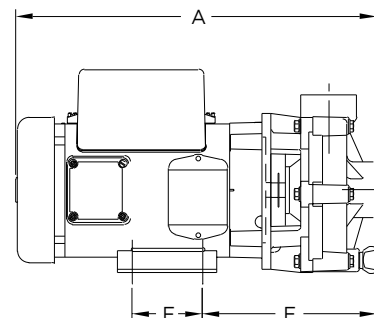
OPWG-71



OPWG-SERIES	Item No.	Amps	Watts	Volts	Cord (ft)	Inline Use	Discharge	Intake	Gallons Per Hour (GPH) at height				Shut-off (ft)
									5'	10'	15'	20'	
OPWG-29	566020	1.1	92	115 V	8'	✓	1-1/2" NPT	2" NPT	1740	300	-	-	11
OPWG-46	566021	1.3	132	115 V	8'	✓	1-1/2" NPT	2" NPT	2700	1500	-	-	12
OPWG-71	566023	2.5	257	115/230 V	none	✓	1-1/2" NPT	1-1/2" NPT	4260	3540	2700	600	21
OPWG-97	566024	3	335	115/230 V	none	✓	1-1/2" NPT	1-1/2" NPT	5820	5040	4080	2700	22

DIMENSIONS (INCHES)

	A	B	C	D	E	F	G	H	J	K
OPWG-29	10.30	6.53	6.70	-	4.41	-	3.19	2.13	2	1.5
OPWG-46	10.30	6.53	6.70	-	4.41	-	3.19	2.13	2	1.5
OPWG-71	15.14	9.25	7.45	8.70	7.26	3.00	3.50	2.75	1.5	1.5
OPWG-97	15.14	9.25	7.45	8.70	7.26	3.00	3.50	2.75	1.5	1.5



OUT-OF-POND PUMP ACCESSORIES

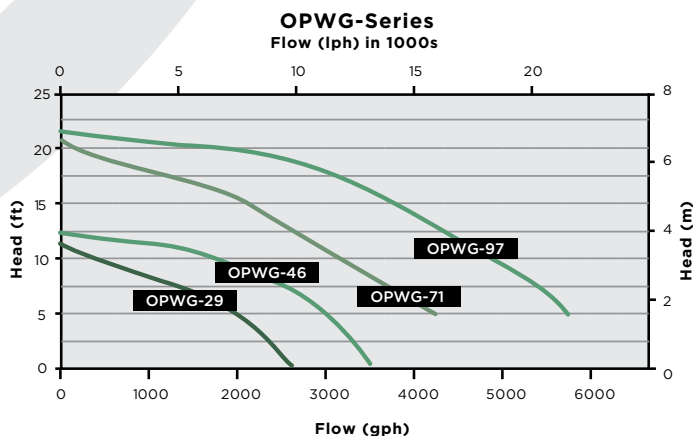
Item Number

Advantages

OUT-OF-POND LEAF BASKET LB-OPWG

566106

- Minimizes intake debris
- Pump attachment fittings included



Water Pumps

Water Feature Pump Selection Guide By Flow Rate

Model	Item No.	Sub	In Line	Volts	Flow @ Head (GPH)					Shut-off	Watts	Electric Cost (Mo.)	Warr.
					5'	10'	15'	20'	25'				
S225	517000	X	X	115	81	—	—	—	—	5.7'	60	\$3.27	2
S320	517002	X	X	115	225	163	—	—	—	13.5'	89	\$5.19	2
S580	517005	X	X	115	590	320	—	—	—	12'	203	\$12.09	2
S900	517008	X	X	115	667	425	—	—	—	14'	234	\$12.60	2
PES-800-PW	566721	X		115	625	175	—	—	—	11.75'	85	\$5.64	3
S1200	517011	X	X	115	745	580	240	—	—	18'	255	\$16.18	2
PES-1000-PW	566722	X		115	775	200	—	—	—	11.75'	110	\$4.77	3
FP1	566132	X	X	115	1000	390	—	—	—	14'	106	\$7.72	5
F10	566724	X	X	115	1103	840	416	96	—	22'	157	\$10.08	2
OPWG-29	566020		X	115/230	1740	300	—	—	—	11'	92	\$8.09	1
WGP-65-PW	566409	X		115	1250	800	300	—	—	20'	230	\$15.77	3
F20	566725	X	X	115	2095	961	—	—	—	15'	147	\$10.22	2
FP2	566133	X	X	115	2220	1210	400	—	—	16'	167	\$11.93	5
PWM2600	PWM2600	X		115	1550	0	—	—	—	10'	164	\$10.49	1
WGFP-33	566067	X		115	2500	2000	1400	600	—	25'	455	\$28.63	2
OPWG-46	566021		X	115/230	2700	1500	—	—	—	12'	174	\$8.60	1
FP30	566726	X	X	115	2897	1922	729	—	—	19'	215	\$18.14	2
FP3	566134	X	X	115	3200	1640	690	—	—	17'	226	\$16.15	5
WGP-80-PW	566417	X		115	3200	2700	2100	1300	695	29.5'	675	\$36.11	3
PWM3900	PWM3900	X		115	2700	1440	0	—	—	12.7'	260	\$19.04	1
PWM5200	PWM5200	X		115	3480	2460	1080	0	—	20'	506	\$28.18	1
F40	566727	X	X	115	4233	2894	1956	416	—	21.3'	520	\$22.90	2
WGFP-50	566068	X		115	4250	3500	2750	1800	800	30'	590	\$39.02	2
OPWG-71	566023		X	115/230	4260	3450	2700	600	—	21'	257	\$16.27	1
WGP-95-PW	566407	X		115	4000	3500	2850	2200	1370	30'	700	\$33.92	3
F50	566728	X	X	115	4332	3599	2800	1938	885	28.5'	413	\$33.70	2
WGFP-75	566068	X		115	4900	4350	3750	3050	2250	36'	847	\$50.38	2
FP6	566135	X	X	115	5760	4380	3000	1730	350	27'	557	\$37.56	5
OPWG-97	566024		X	115/230	5820	5040	4080	2700	—	22'	370	\$22.61	1
F70	566729	X	X	115	5930	4665	3196	2042	723	28'	660	\$39.74	2
WGFP-100	566070	X		115	6400	5500	4700	3700	2500	35'	1210	\$68.09	2
FP9	566137	X	X	115	8100	6580	4860	3290	1930	31'	730	\$52.24	5
WGFP 150	566071	X		115	9750	8200	6500	4600	2200	32'	1210	\$86.40	2
WGFP 200	566072	X		230	16000	15000	13410	11575	9775	45'	1210	\$149.98	2

GOOD

BETTER

BEST

The Good, Better, Best color code illustrates how pump efficiency changes throughout the performance range of the pump.

* = Monthly electric cost calculated at Best Efficiency Point of Pump at 10 cents/kwh operating 24 hours, 7 days a week

Helpful Information

Recommended Maximum Flow Rates

Pipe Diameter	Gallons Per Hour (GPH)	Gallons Per Minute (GPM)
3/4"	750	12.5
1"	1000	17
1-1/4"	2100	35
1-1/2"	3000	50
2"	4800	80
3"	9000	150
4"	16000	267

Helpful Formulas

To convert pressure to head height

Pressure (PSI) x 2.31 = Head Height (ft)

To convert head height to pressure

Head Height (ft) x 0.434 = Pressure (PSI)

To determine the gallons in a circular feature

$0.79 \times \text{Diameter (ft)} \times \text{Diameter (ft)} \times \text{Depth (ft)} \times 7.48 = \text{Gallons}$

To determine the approximate operating cost of running 24 hours a day

Watts x 0.072 = Estimated Monthly Operation Cost (at \$0.10/KWH)

Lighting & Controls

Innovative LED and halogen lighting options give you the ability to “sculpt” water and landscapes with light, adding just the right amount of brightness and color saturation to inspire, soothe, and invigorate a special occasion. Controlling your pumps, lighting, and equipment is made easier with our selection of transformers and power control centers.



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The image displays a variety of Little Giant lighting and control products. At the top left is a rectangular solar panel with a blue grid pattern, connected by a black cable to a power control center. To the right of the solar panel is a power control center with a black cable and a standard electrical plug. Below the solar panel are two small, round, black LED lights with black cables. To the right of the power control center is a large, round, black halogen light with a metal cage. Below the halogen light are five colored lenses: red, green, yellow, blue, and purple. In the center is a large, round, black LED light with a metal cage. Below the large LED light are six small, round, black LED lights with black cables. To the right of the large LED light is a black, curved, adjustable light fixture with a black cable. The background of the image is a water feature with a waterfall and a pond, illuminated by the products shown.

Little GIANT®



Lighting & Controls

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LittleGIANT®

Lighting & Controls

LED Lighting

LED lighting is the newest and most energy efficient way to bring out the dramatic beauty of your water. With a variety of options, we give you the ability to offer long- lasting lighting for any decorative water. Color options abound to sculpt the water and landscape with light.

LED EggLites

The LED EggLite offers a compact lighting option that operates wet or dry. They come in four color options and can be powered by the sun using the optional solar panel. Up to 12 will fit on the plug-in transformer, and six lights will power on the solar panel.



LED EGGLELITES	Item No.	Power Type	Watts	Color	Cord (ft)	Submerged Use	Dry Use	Transformer Included	Lights Included	Lamp Size	Dimensions
LSE2-W - SOLAR KIT	566420	Solar	2	White	10'	✓	✓	✓	2	1"	1" diameter
LCE2-W - PLUG IN KIT	566443	4 VDC	2	White	10'	✓	✓	✓	2	1"	1" diameter
LXE2-R - RED ADD ON LIGHT	566439	Solar/4 VDC	2	Red	10'	✓	✓		2	1"	1" diameter
LXE2-W - WHITE ADD ON LIGHT	566440	Solar/4 VDC	2	White	10'	✓	✓		2	1"	1" diameter
LXE2-G - GREEN ADD ON LIGHT	566441	Solar/4 VDC	2	Green	10'	✓	✓		2	1"	1" diameter
LXE2-B - BLUE ADD ON LIGHT	566442	Solar/4 VDC	2	Blue	10'	✓	✓		2	1"	1" diameter
LSPR - SOLAR PANEL	566430	Solar	6	-	-		✓	✓	-	-	4.2" x 6.6"
LVT-08 - PLUG IN TRANSFORMER	566435	4 VDC	12	-	-		✓	✓	-	-	1.6" x 1.3"
LC-10E - 10 FOOT EXTENSION	566449	-	-	-	10'	✓	✓		-	-	120" x 0.1"

Pairs well with our disappearing fountains on page 5!

LED-K Lighting

Energy-efficient LED fixtures consume only 3 Watts per lamp and last up to 10 years. Up to 18 lights can be run on one transformer. Eleven pre-programmed settings are triggered with the built-in circuitry. Install them in or out of the water using the included mounting hardware.



LED-K LIGHTING	Item No.	Power Type	Watts	Color	Cord (ft)	Submerged Use	Dry Use	Transformer Included	Lights Included	Lamp Size	Dimensions
LVLK-LED - MULTI-COLOR LED KIT	566236	12 VAC	3	Multi	20'	✓	✓	✓	1	MR-16	3" diameter
LED-L - MULTI-COLOR LED LIGHT	566225	12 VAC	3	Multi	20'	✓	✓		1	MR-16	3" diameter
LED-B - MULTI-COLOR LED MR-16 BULB	566224	12 VAC	3	Multi	-	✓	✓		Bulb	MR-16	3" diameter



With 11 light modes ranging from brilliant red to a continuous transition of soft color, you can easily reflect any mood.



Lighting & Controls

Halogen Lighting

Halogen lighting offers great versatility for adding nighttime beauty to any water feature, pond, fountain, and landscaping. Our selection will handle the smallest requirements up to the largest fountains, and all come standard with four color lenses, which deliver a beautiful rainbow of colors.

Halogen EggLites

Small and compact, the EggLite is designed to disappear into the installation so the dramatic beauty of the light itself is enjoyed. The 10-Watt EggLite can be used wet or dry and is suitable for fresh or salt water. Each light comes with a magnetic base, 10' of cord, and is 3" tall when fully assembled.



HALOGEN EGGLITES	Item No.	Power Type	Watts	Color	Cord (ft)	Submerged Use	Dry Use	Transformer Included	Lights Included	Lamp Size	Dimensions
LCE-10W - COMPLETE KIT 10 W	517400	12 VAC	10	Multi	10'	✓	✓	✓	1	MR-11	2" diameter
LXE-10W - EXTRA 10 W SET	517402	12 VAC	10	Multi	10'	✓	✓		1	MR-11	2" diameter
LCE-20W - COMPLETE KIT 20 W	517404	12 VAC	20	Multi	10'	✓		✓	1	MR-11	2" diameter
LXE-20W - EXTRA 20 W SET	517406	12 VAC	20	Multi	10'	✓			1	MR-11	2" diameter
LEK3-10W - COMPLETE 3 PACK 10 W	517502	12 VAC	10	Multi	10'	✓	✓	✓	3	MR-11	2" diameter

LVL Lighting

Our bright, 20 Watt halogen lamp lasts about 3,000 hours. Up to three lights can run on one transformer, which has a switch-selectable timer. Colored lenses create a variety of hues. Install them in or out of the water using the included mounting hardware.



LVL	Item No.	Power Type	Watts	Color	Cord (ft)	Submerged Use	Dry Use	Transformer Included	Lights Included	Lamp Size	Dimensions
LVLK-HAL KIT	566237	12 VAC	20	Multi	20'	✓	✓	✓	1	MR-16	3" diameter
LVL-PW LIGHT	566527	12 VAC	20	Multi	20'	✓	✓		1	MR-16	3" diameter
LVL-HB-PW MR-16 BULB	566528	12 VAC	20	Multi	-	✓	✓		Bulb	MR-16	3" diameter

L1C Lighting

The largest and most robust light we offer is constructed of stainless steel and bronze, housing a 250-Watt bulb. These lights dramatically accent all of your fountain and water feature projects. Comes with a stand for easy placement and must be submerged for use.



HALOGEN LIGHTING	Item No.	Power Type	Watts	Color	Cord (ft)	Submerged Use Only	Lights Included	Lamp Size	Dimensions
L1C-20	517413	120 VAC	250	White	20'	✓	1	E-12	7.3" diameter
L1C-50	517414	120 VAC	250	White	50'	✓	1	E-12	7.3" diameter
L1C-100	517415	120 VAC	250	White	100'	✓	1	E-12	7.3" diameter

Colored Lens sold separately. See page 42

Lighting & Controls

Lighting & Controls

Timers & Controls

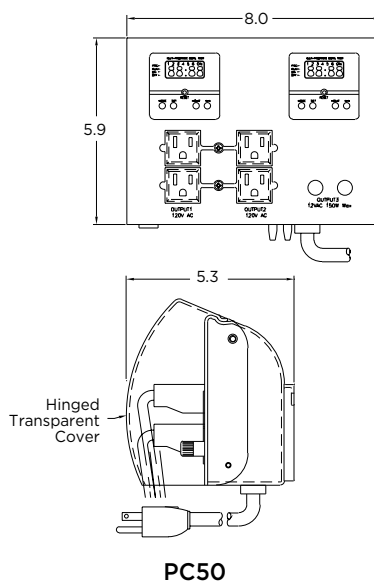
The Power Control Center allows water gardeners the flexibility of installing a pond where electricity is far from the pond site. Now you can control the operation of your pumps, UV clarifiers, underwater lights, and other necessary items with the Power Control Center, the ultimate luxury to control your pond. We also offer basic 12-Volt transformers with timers for your lighting control needs.

PC50

- 150 Watt 12 VAC
- Adjustable on/off timer
- Digital timers control both line voltage and low voltage
- Fuse protected
- 10 amp max on 110 V side
- 150 Watt max on 12 V side



TIMERS & CONTROLS	Item No.	Power Type	Amps/Watts	Cord (ft)	Use with Submerged Lights	Dry Use	Transformer Included	Dimensions
PC50-15	517408	110 VAC/12 VAC	10 A/150	15'	✓	✓	✓	6" x 8" x 5.5"
PC50	517416	110 VAC/12 VAC	10 A/150	50'	✓	✓	✓	6" x 8" x 5.5"



Construction

We offer a complete line of products to make installing a pond easy and trouble-free. Each item is designed or selected for its compatibility with Little Giant® equipment for fast installation, reliable performance, and minimal maintenance. Durable liners and quality plumbing components keep water features looking and functioning at their best for years.



Little **GIANT**®

Construction

Virtual Pond Kits



Don't forget lighting
on page 32!

TO BUILD 1400 GALLON POND:

DESCRIPTION	Model	Item No.
SKIMMER	SK2.5	566131
FILTER	WF5	571010
PUMP	F20-2700	566725
PIPE	T-1-1/2-25 BFPVC	566182
LINER	10' x 15'	566545
AUTO FILL KIT	AFV-GH Auto Fill	566286
BACKFLUSH KIT	BFK-M	14940321
WATERFALL FOAM	WFF-20-Rockin Foam	599057

TO BUILD 3400 GALLON POND:

DESCRIPTION	Model	Item No.
SKIMMER	SK10	14940172
FILTER	WF5	571010
PUMP	F50-5000	566728
PIPE	T-2-25 BFPVC	566184
LINER	15' x 20'	566547
AUTO FILL KIT	AFV-GH Auto Fill	566286
BACKFLUSH KIT	BFK-M	14940321
WATERFALL FOAM	WFF-20-Rockin Foam	599057

DISAPPEARING STREAM

DESCRIPTION	Model	Item No.
VAULT	SF	566410
WATERFALL WEIR	WFW	566239
PUMP	F30-4000	566726
PIPE	T-1-1/2-25 BFPVC	566182
LINER	Fit To Size	Page 41
AUTO FILL KIT	AFV-GH Auto Fill	566286
WATERFALL FOAM	WFF-20-Rockin Foam	599057



Construction

Plumbing

Flex Pipes and Tubing

Quality piping provides for a worry-free installation. Whether you desire vinyl tubing, non-kink tubing or flex PVC, we offer all varieties in black to inhibit algae growth inside the pipe.



FLEX PIPES & TUBING	Item No.	Length	Advantages	Image	Pipe/Size Tubing	Type
T-3/8-20-BK	566287	20'	Use with barb and hose clamp fittings		3/8"	VT
T-1/2-20-BK	566288	20'	Use with barb and hose clamp fittings		1/2"	VT
NKT-34	566229	25'	Use with barb and compression fittings		3/4"	NKT
NKT-100	566231	25'	Use with barb and compression fittings		1"	NKT
NKT-114	566232	25'	Use with barb and compression fittings		1.25"	NKT
NKT-112	566233	25'	Use with barb and compression fittings		1.5"	NKT
T-1-1/2-25-BFPVC	566182	25'	Use with Sch 40 fittings		1.5"	FPVC
T-2-25-BFPVC	566184	25'	Use with Sch 40 fittings		2"	FPVC
T-3-50-BFPVC	566186	50'	Use with Sch 40 fittings		3"	FPVC

FPVC = Flexible PVC
NKT = Non-Kink Tubing
VT = Vinyl Tubing

Construction

Plumbing

Fittings

Our select group of quality plumbing components is affordable and always the right fit. We offer tubing fittings and Schedule 40 fittings for any installation, from vinyl tubing, PVC pipe, and flex PVC.

FITTINGS	Item No.	Image	Pipe/Size Tubing	Type
C-1 TUBING CLAMP	566227		1/2"	Tubing
C-2-PW RESTRICTOR CLAMP	566289		1/2"	Tubing
FC-1/4 FLOW CONTROL FNPT X BARB	566228		1/4"	Tubing
AD-2M-2S MALE ADAPTER	566258		2"	PVC
AD-3M-3S MALE ADAPTER	566244		3"	PVC
AD-BH-2 BULKHEAD FITTING	566257		2"	FNPT
AD-BH-3 BULKHEAD FITTING	566249		3"	FNPT
BV-112S BALL VALVE SLIP X SLIP	566250		1-1/2"	PVC
BV-2S BALL VALVE SLIP X SLIP	566251		2"	PVC
BV-112SU UNION BALL VALVE	566252		1-1/2"	PVC
AD-112US UNION SLIP X SLIP	566254		1-1/2"	PVC
AD-2US UNION SLIP X SLIP	566255		2"	PVC

≤ 400 Gal

≤ 800 Gal

≤ 1200 Gal

≤ 2400 Gal

> 2500 Gal

Professional

Decor

Maintenance

Construction

Plumbing

FITTINGS	Item No.	Image	Pipe/Size Tubing	Type
3" FLEXIBLE PIPE GROMMET	925023		3"	BUNA-N
1" FLEXIBLE PIPE GROMMET - FOUNTAIN CONNECTOR	925031		1"	BUNA-N
2" FLEXIBLE PIPE GROMMET	925033		2"	BUNA-N
4" FLEXIBLE PIPE GROMMET	925034		4"	BUNA-N
3/4" FLEXIBLE PIPE GROMMET - FOUNTAIN CONNECTOR	925035		3/4"	BUNA-N
1/2" FLEXIBLE PIPE GROMMET - FOUNTAIN CONNECTOR	925054		1/2"	BUNA-N
CHECK VALVES CV-SE1	940019		1-1/2"	PVC
CHECK VALVES CV-SE2	940022		2"	PVC
CHECK VALVES CV-SE3	940023		3"	PVC

Construction

Liners & Accessories

Pond liners are designed from strong, puncture-resistant material that allows for the customization of any water feature. Both Firestone 45-mil EPDM and our 20-mil PVC are flexible and safe for aquatic life too.

CUT SIZES	EPDM Item No.	Dimensions
10 X 15 LINER	566545	10' x 15'
15 X 15 LINER	566546	15' x 15'
15 X 20 LINER	566547	15' x 20'
10 X 15 6OZ. UNDERLAYMENT	566548	10' x 15'
15 X 15 6OZ. UNDERLAYMENT	566549	15' x 15'
15 X 20 6OZ. UNDERLAYMENT	566550	15' x 20'



ROLLS	Item No.	Dimensions
5 X 100 EPDM ROLL	566357	5' x 100'
10 X 100 EPDM ROLL	566358	10' x 100'
15 X 100 EPDM ROLL	566359	15' x 100'
20 X 100 EPDM ROLL	566360	20' x 100'
25 X 100 EPDM ROLL	566361	25' x 100'
30 X 100 EPDM ROLL	566362	30' x 100'
35 X 100 EPDM ROLL	566363	35' x 100'
40 X 100 EPDM ROLL	566364	40' x 100'
50 X 100 EPDM ROLL	566365	50' x 100'
20 X 50 EPDM MINI ROLL	566366	20' x 50'
25 X 50 EPDM MINI ROLL	566367	25' x 50'
30 X 50 EPDM MINI ROLL	566368	30' x 50'
5 X 300 6OZ. UNDERLAYMENT	566377	5' x 300'



EPDM ACCESSORIES

EPDM ACCESSORIES	Item No.
6" X 25' COVER SEAM TAPE	566369
6" X 100' COVER SEAM TAPE	566370
LVOC QUICKPRIME PLUS - QUART	566371
LVOC QUICKPRIME PLUS - GALLON	566372
QUICKSEAM SCRUBBER KIT	566373
EPDM REPAIR KIT	566374
SILICONE ROLLER	566375
PIPE BOOT	566376



Pond Care

Little Giant® offers a vast selection of products to protect and maintain your water feature at its prime, ranging from bacterial treatments and fish and plant care, to replacement parts for equipment. Protecting your investment during all seasons is essential, and we make it simple to protect your entire system year-round.



Little GIANT®

Protection

Low Water Shut-Off

Whether a small disappearing fountain or full water garden, protecting your investment enhances enjoyment. Achieve that peace of mind with a low water cut-off switch for the pump, auto fill valve to keep the beauty flowing, or winter gear to protect your pond and fish.

LOW WATER SHUT-OFF	Item No.	Voltage	Cord
AFV-GH AUTO FILL	566286	-	-
RS-5	566009	115 V	18'
RFSN-16	599211	115/230 V	20'
RFSN-20	599318	115/230 V	20'



Fall & Winter

Pond Netting & Winter

POND NETTING & WINTER	Item No.	Dimensions	Advantages
N-2828-PW	566047	28' x 28'	• 3/4" square mesh • Covers 28' x 28' area • Includes 12 anchoring stakes
N-1414-PW	566046	14' x 14'	• 3/4" square mesh • Covers 14' x 14' area • Includes 10 anchoring stakes
N-710-PW	566045	7' x 10'	• 3/4" square mesh • Covers 7' x 10' area • Includes 8 anchoring stakes
TF-PW THERMOMETER	566048	1" dia x 8"	• Easy-to-read Fahrenheit-Celsius scales • Measures from 120 °F to -20 °F • Tether string for easy removal
P-418-PW POND DE-ICER	566049	7" dia x 4"	• For ponds 50–600 gallons • De-ices 1' radius • 1200 Watts



Pond Care

Treatments

Our unique partnership with Ecological Laboratories, Inc. enables us to offer the finest in natural microbial products to regulate your customers' pond water clarity and quality. By offering a wide range of MICROBE-LIFT® clarifiers, stabilizers, system treatments, and seasonal water treatments, we can help establish, restore, and maintain the natural biological and system balance of any pond, year-round.



Beneficial Bacteria

Utilizing nature to aid in maintenance is the best solution around. These specialty products cultivate a biological balance for fish, plants, and the entire system. If nitrates or sludge are causing problems, or the leaves just won't decompose, we have a variety of solutions for all needs.

BENEFICIAL BACTERIA	Item No.	Description	Size	Treatment
WT-ML-PL-Q	566006	PL liquid water clarifier	32 oz	Monthly overall treatment
WT-ML-PL-P	566007	PL liquid water clarifier	16 oz	Monthly overall treatment
WT-ML-PL-G	566012	PL liquid water clarifier	1 gal	Monthly overall treatment
WT-NO-P	566036	NiteOut II	16 oz	Initiates nitrification
WT-BMC-2	566037	Biological mosquito control	2 oz	Controls mosquitos
WT-SSC-1	566038	Spring/summer cleaner	(10) 2 oz packets	Reduces dead leaves and organic load
WT-AWP-Q	566039	Autumn/winter prep	32 oz and (2) 2 oz packets	Prepare for colder months
WT-SA-Q	566040	Sludge away	32 oz packets	Rapid and natural sludge and mulch removal

Special Treatments

Maintain the proper water chemistry with these easy-to-use treatments. Specially formulated, they are designed to enhance the pond water and aquatic life.

SPECIAL TREATMENTS	Item No.	Description	Size	Treatment
WT-BSP	566030	Barley straw pellets	2.2 lbs	Clarify and mature water with natural enzymes in barley straw
WT-DL-P	566027	Dechlorinator Plus	16 oz	Neutralizes Cl, ClO ₂ , Cu, and other heavy metals
WT-AR-P	566028	Ammonia remover	16 oz	Removes ammonia, chlorine and chloramine
WT-FP-P	566029	Flocculant Plus	16 oz	Bonds and settles suspended particles
WT-TTC-4	566042	Fountain cleaner	4 oz	Water-based all natural ingredients
WT-TS-50	566043	5-in-1 test strips	50 count	Tests nitrate, nitrite, total hardness, total alkalinity, and pH
WT-ALG-G	566073	Algaway 5.4	1 gal	Controls string algae
WT-ALG-Q	566074	Algaway 5.4	32 oz	Controls string algae
WT-ALG-P	566075	Algaway 5.4	16 oz	Controls string algae
WT-ML-PR-Q	566008	Phosphate remover	32 oz	Removes excess phosphates
WT-BS-P	566026	7.5 pH buffer/stabilizer	16 oz	Initiates nitrification

Pond Care

Fish and Plants

As the flora and fauna become part of the family, it is important to give them a healthy environment with the proper food and planting media. Our selection of Microbe-Lift® products offers the finest in fish food and plant health.

FISH & PLANTS	Item No.	Description
UPB-R9-PW	566553	9" round plant basket
UPB-1212-PW	566556	12" square plant basket
FF-SS	566014	Summer staple fish food
FF-GE	566016	Growth and energy fish food
UP-BM-10	566349	Beneficial bacteria colonized planting media



General Maintenance

Fish nets make catching the fish safer than using your hands, as does a skimmer net for removing floating debris.

NETS	Item No.	Description
NS	566050	Skimmer net Handle: 48" L; Net: 10" W x 9" L x 3" D
AFN	567574	Fish net Extends: 39" to 57.5"; Net: 15.25" W x 13" L x 12" D



Pond Care

Replacement Parts

Accidents and wear and tear happen. When it does, rest easy knowing we have the right replacement parts for your equipment.

Fountains & Features

Item No.	Model	Description
166468	-	36" DFB column
166469	-	36" DFB wedge
166471	-	44" DFB support tube
166472	-	44" DFB plate
566533	-	Fogger disk replacement kit

Aeration System

Item No.	Model	Description
517326	-	Replacement fountain/aerator Harmony nozzle assembly
517327	-	Replacement centrifugal pump nozzle adaptor assembly
517328	-	Replacement motor mount assembly
517329	-	Replacement 100' cord set w/ motor lead and support tube
517330	-	Replacement power drive assembly, 1/2HP, 115V, 2 wire w/100' cord set
517331	-	Replacement float 36"

Filtration

Item No.	Model	Description
860-10	-	Filter pad for spillway 10"
860-18	-	Filter pad for spillway 18"
92311-18	-	Quartz sleeve with 2 O-rings, UVC18
92311-36	-	Quartz sleeve with 2 O-rings, UVC36
92311-9	-	Quartz sleeve with 2 O-rings, UVC9
170277	-	Mesh bag for biomedica
170299	-	Skimmer net for SK5
170300	-	Skimmer net for SK10
170301	-	Matala pad for WF5
170302	-	Matala pad for WF10
170303	-	Grate for SK5
170304	-	Grate for SK10
170311	-	Lid for SK5
170312	-	Lid for SK10
170313	-	Black lid for WF5
170315	-	Black lid for WF10
170337	-	Matala pad, additional filtration for SK10

Filtration Continued

170338	-	Matala pad, additional filtration for SK5
170465	-	Skimmer net for SK2.5
170461	-	Lid for SK2.5
170463	-	Grate for SK2.5
170473	-	Matala pad, additional filtration for SK2.5
517100	CFS170T	Barrel filter, 1" FNPT
517101	CFS955	Foam filter for CFS155T and CFS170T
517427	UVC9RB	9 Watt UV lamp, UVC
517428	UVC18RB	18 Watt UV lamp, UVC
517429	UVC36RB	36 Watt UV lamp, UVC
517505	CFS100	Screen, plastic small
517506	CFS155T	Screen, plastic, for large SST, CFS955
566109	PF-RP-PW	PF-AD replacement pad
566111	FK-SBF-RP-PW	FB replacment filter pad
566112	BM-30-PW	Biomedica, 30 ct
566113	SBF-1-RP-PW	Replacement filters
566115	FC-RP	Filter pads
566268	FC-RE	Element - case quantity only
566812	-	PF filter repair kit
566813	-	SK2.5 repair kit
566815	-	SK5 repair kit
566816	-	SK10 repair kit
990108	-	PTFE
14940208	-	RTV silicone sealant
14940343	F-SBRK	Skimmer brush kit
14940501	-	9 Watt UV lamp, UVP
14940502	-	18 Watt UV lamp, UVP
14940503	-	36 Watt UV lamp, UVP
14940581	-	Skimmer lid plug

Pond Care

Replacement Parts

Lighting & Controls

Item No.	Model	Description
170755	-	Colored lens set for fixture for LVL
170756	-	Light fixture glass lens for LVL and LED
517401	LDLS-4	Lens set, dichroic glass, 4 colors
517403	LEC-5M	Ext. cord, 16', EggLite
517405	LFL-CLR	Front lens, EggLite
517407	LMB-SS	Magnetic base with hardware, EggLite
517409	LMS-2PC	Mounting stand - EggLite
517410	LRB-10W-30	Replacement bulb, 12 V, 10 Watt, 30 °
517411	LRB-20W-30	Replacement bulb, 12 V, 20 Watt, 30 °
517412	LTR-60W	Transformer, 60 Watt EggLite
517417	L-1001	Tungsten halogen 250 Watt bulb, 115 V
517419	L-1002A	L-1 lens - amber
517421	L-1002B	L-1 lens - blue
517422	L-1002C	L-1 lens - clear
517423	L-1002G	L-1 lens - green
517430	PC-F	PC50 replacement fuse, T15A, 250 V, 20m
517431	PC-FC	PC50 replacement fuse cap with socket
517432	L-1003	L-1 rock guard - bronze
517501	L-1002R	L-1 lens - red
566431	-	Replacement stake for solar panel LSP
566432	-	Replacement battery for solar panel LSP
566814	-	LVL no bulb light repair kit
924006	-	LED EggLite wire connection O-ring
924135	-	Light fixture O-ring for LVL and LED
950886	-	60 Watt LVL transformer

Pumps

Item No.	Model	Description
11200	-	Repair kit for S580
11205	-	Repair kit for S900T
11210	-	Repair kit for S1200T
10215	-	Repair kit A180 - A210 & S225
10216	-	Repair kit A180T - A210T & S225T
10220	-	Repair kit A280 - A430 & S320
10221	-	Repair kit A280T - A430T & S320T
118984	-	Kit, repair parts, PE-1F-PW
118985	-	Kit, repair parts, PE-2H-PW
118986	-	Kit, repair parts, PE-2F-PW
118987	-	Kit, repair parts, PE-1H-PW

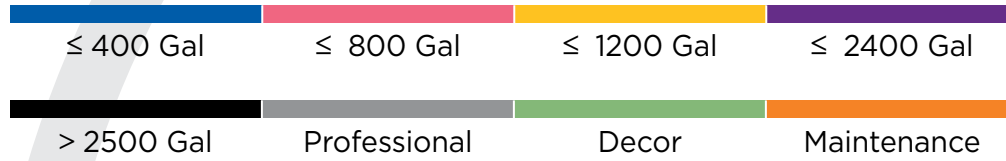
Pumps Continued

118988	-	Kit, repair parts, PE-2.5F-PW
166055	-	FP1 Impeller and Rotor Assembly
166056	-	FP2 Impeller and Rotor Assembly
166057	-	FP3 Impeller and Rotor Assembly
166058	-	FP6 Impeller and Rotor Assembly
166059	-	FP9 Impeller and Rotor Assembly
166060	-	FP Pumps O-ring and Screws
166360	-	Impeller PES700
166361	-	Impeller PES800
166362	-	Impeller PES1000
166772	-	Replacement Screen Kit, F10-F70
166773	-	Replacement Housing, F10-F20
166774	-	Replacement Housing, F30-F70
166775	-	Replacement Volute Kit, F10
166776	-	Replacement Volute Kit, F20
166777	-	Replacement Volute Kit, F30-F50
166780	-	Replacement Volute Kit, F70
166781	-	Replacement Rotor Kit, F10
166782	-	Replacement Rotor Kit, F20
166783	-	Replacement Rotor Kit, F30
166784	-	Replacement Rotor Kit, F40
166785	-	Replacement Rotor Kit, F50
166786	-	Replacement Rotor Kit, F70
166787	-	Replacement Screen, F10-F70
170170	-	WGP 1" elbow
170194	-	WGP 1-1/2" elbow
170208	-	WGP plate
170209	-	WGP plug
517500	SPB1	Positioning bracket for S580 S900 S1200
517102	TS-1.5	Intake screen for 1.5" MNPT
517103	TS-2.0	Intake screen for 2" MNPT
517104	SF1.0	Swivel fitting, 1"
517503	TS-3.0	Intake screen for 3" MNPT
517504	SF1.5	Swivel fitting, 1-1/2"
566536	-	AP1 air pump repair kit

Merchandising System

Merchandising System

Color-Coded Packaging



PROFESSIONAL/ LANDSCAPE PACKAGING



RETAIL PACKAGING



Merchandising System

Merchandising System

Inspire Customers with the Little Giant® Outdoor Living Merchandising System

Our consumer-friendly merchandising system engages customers with attractive color-coded packaging and a convenient arrangement that puts everything they may need right at their fingertips.



Pump Selection Center



Download or order printed literature online at www.lg-outdoor.com

Literature and Point of Purchase - Order Online

www.lg-outdoor.com

Pump Selection Center Header (12" x 47")

Item # 996096



Fountain Support Center (12" x 47")

Item # 996191



Maintenance and Decor Header (12" x 47")

Item # 996097



Water Gardening Header (12" x 47")

Item # 996098



Additional Product Lines

Aquarium

Little Giant® aquarium products implement the highest quality of engineering and design in every product. Each product is designed specifically for aquarium-filtered applications in freshwater and saltwater environments.



Aquarium Pump  
ITEM 519310 | MODEL PESQ-300

  **Aquarium Pump**
ITEM 580507 | MODEL 2-MDQX-SC



Hydroponics

All Little Giant® Hydroponic pumps are manufactured with a corrosion-resistant body specifically designed for submersible use. Magnetic drive pumps offer better energy efficiency, while direct drive pumps produce greater starting torque and more pressure. Our extensive product line allows you to choose which pump features are best for your application.



**325 GPH Submersible
Hydroponic Pump**
ITEM 527002 | MODEL NK-2

**200 GPH Automatic
Hydroponic Pump**
ITEM 550523 | MODEL 1-ABS



Pool Products

Little Giant® offers an extensive collection of pool cover pumps that are able to keep up with the needs of virtually any pool cover. These pumps offer industry-leading service, easy water removal, and superior pool cover protection.



Automatic Pool Cover Pump 
ITEM 14942702 | MODEL PCP-550

Automatic Pool Cover Pump 
ITEM 577301 | MODEL APCP-1700



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1-MA	521204	Direct drive oil-filled pump - 115 V, 60 Hz, 6', 170 gph	28	FP2	566133	Flex pump - 2000 gph	22
2E-38N-WG	502375	Direct drive oil-filled pump - 115 V, 60 Hz, 15' UL/CSA, 300 gph	28	FP3	566134	Flex pump - 3000 gph	22
3E-12N	503375	Direct drive oil-filled pump - 115 V, 60 Hz, 6' black, 500 gph	28	FP6	566135	Flex pump - 6000 gph	22
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AD-2M-2S	566258	2" male adapter MNPT x slip	39	L-1001	517417	Tungsten halogen 250 Watt bulb, 115 V	47
AD-2US	566255	Union 2" slip, PVC	39	L-1002A	517419	L-1 lens, amber	47
AD-3M-3S	566244	3" male adapter MNPT x slip	39	L-1002B	517421	L-1 lens, blue	47
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BV-112S	566250	Ball valve 1-1/2" slip, PVC	39	LBF32	566595	Lotus bowl fountain, antique rust	8
BV-112SU	566252	Union ball valve, 1-1/2" ips, PVC	39	LBFK	566598	Lotus bowl fountain kit	7
BV-2S	566251	Ball valve 2" slip, PVC	39	LB-OPWG	566106	Leaf trap for external pumps	29
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CFS-100	517505	Filter screen, small plastic	15, 26, 46	LCE-20W	517404	Complete EggLite kit, 20 Watt w/transformer, 10' cord	34
CFS-155T	517506	Filter screen, plastic, for large SST, CFS955	15, 26, 46	LCE2-W	566443	Plug-in LED EggLite kit with white LED, 2-pack	33
CFS-170T	517100	Barrel filter, 1" FNPT	15 & 46	LDLS-4	517401	Lens set, dichroic glass, 4 colors	47
CFS-955	517101	Foam filter for CFS155T & CFS170T	15 & 46	LEC-5M	517403	EggLite extension cord, 16'	47
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CV-SE3	940023	Check valve, 3" ips (3" solids)	40	LEK3-10W	517502	EggLite kit, 3-pack, 10' extension cord	34
DFB30	566599	Disappearing fountain basin, 30" diameter	9	LFL-CLR	517405	Front lens, EggLite	47
DFB36	566517	Disappearing fountain basin, 36" diameter	9	LMB-SS	517407	Magnetic base with hardware, EggLite	47
DFB36PP	566559	Pallet program 36" disappearing basin - case qty only	9	LMS-2PC	517409	EggLite mounting stand	47
DFB44	566558	Disappearing basin, 44" square	9	LRB-10W-30	517410	Replacement bulb, 12 V, 10 Watt, 30 degrees	47
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FC-1/4	566228	Flow control assembly, FNPT x barb - case qty only	39	LXE-20W	517406	Extra EggLites, 20 Watts, 10' cord, with transformer	34
FC-RE	566268	Element - case qty only	46	LXE2-B	566442	Extra EggLite with blue LED, 2-pack	33
FC-RP	566115	Filter pads	46	LXE2-G	566441	Extra EggLite with green LED, 2-pack	33
FF4	566516	Fountain support feet, 4-pack	9	LXE2-R	566439	Extra EggLite with red LED, 2-pack	33
FF-GE	566016	Fish food, growth and energy	45	LXE2-W	566440	Extra EggLite with white LED, 2-pack	33
FF-SS	566014	Fish food, summer	45	N-1414-PW	566046	Netting, 14' x 14'	43
FG-1-PW	566529	Fogger kit with transformer	11	N-2828-PW	566047	Netting, 28' x 28'	43
FHK-1-PW	566266	Fountain head kit	11	N-710-PW	566045	Netting, 7' x 10'	43
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FNA01	517319	Sonata fountain nozzle	13	OPWG-29	566020	External use pump - 1740 gph @ 5', 92 Watts, 8' cord	29
FNA02	517320	Cantata fountain nozzle	13	OPWG-46	566021	External use pump - 2700 gph @ 5', 132 Watts, 8' cord	29
FNA03	517321	Concerto fountain nozzle	13	OPWG-71	566023	External use pump - 4260 gph @ 5', 257 Watts, no cord	29
FNA04	517322	Staccato fountain nozzle	13	OPWG-97	566024	External use pump - 5820 gph @ 5', 335 Watts, no cord	29
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FPB	566596	Fittings, pipe, shims, grommet	7	P-418-PW	566049	Pond de-icer, 1200 Watts	43
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