

LittleGIANT®

WATER FEATURES & POND PRODUCTS

PRODUCT CATALOG



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For the most up-to-date product information, visit littlegiant.com.

Every effort has been made to ensure the accuracy of the information provided in this catalog. Little Giant reserves the right to change any information contained in this catalog without notice. Stenographic and clerical errors are subject to corrections.

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 6,500 dedicated employees worldwide, Franklin Electric has manufacturing and distribution facilities located in 20 countries. As part of the Franklin Electric family of brands, Little Giant® upholds these standards of excellence.

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, innovation, and cost 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.

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



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



Responsive employees are ready to offer expert assistance.

METRIC CONVERSIONS

Metric Conversions: We are honored to offer our products to multiple countries 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

STEP-BY-STEP SIZING GUIDE

Every pond and fountain have 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. Scan the QR Code to download a sizing guide grid.



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 container 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 3,000 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.

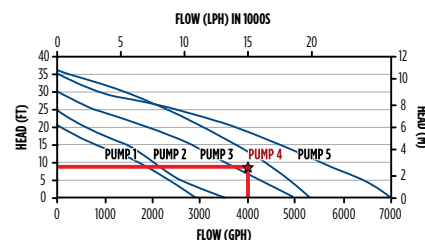
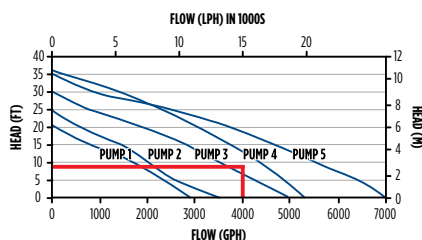
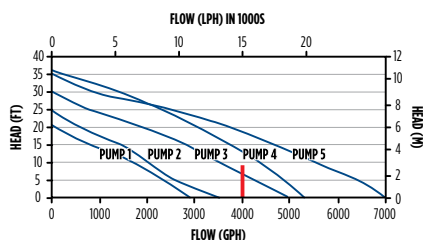
Measure vertical distance from top of water level to discharge point (top of waterfall)

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 (example below, 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 at www.littlegiant.com or contact our technical support team at 1.800.701.7894.



HELPFUL INFORMATION

PUMP SELECTION GUIDE BY FLOW RATE

Series	Model No.	Item No.	Shut Off (ft)	Oil Free	Continuous Use	Submersible	Inline	Flow @ Head (GPH)															
								1'	3'	5'		10'		15'		20'		25'		30'			
Small Submersibles	#1	501004	7.4'			✓		205	168	120													
	1-MA	521204	7'			✓		170	140	100													
	ZEN-38N-WG	502375	11.8'			✓		300	255	205													
	3E-12N	503375	17.3'			✓		500		337		210		65									
	P-AAA	523375	4.6'			✓		120	70														
PE	PE-1H-PW	566604	7'		✓	✓		186	141	90													
	PE-1F-PW	566608	7'		✓	✓		186	141	90													
	PE-2H-PW	566609	12.2'		✓	✓		300	270	237		120											
	PE-2F-PW	566611	12.2'		✓	✓		300	270	237		120											
	PE-2.5F-PW	566612	13.4'		✓	✓		475	440	390		210											
PES	PES-40-PW	566713	2.1'		✓	✓		45															
	PES-80-PW	566714	3.5'		✓	✓		77	20														
	PES-130-PW	566716	5.5'		✓	✓		130	85														
	PES-290-PW	566717	7.25'		✓	✓		300	180	115													
	PES-380-PW	566718	7'		✓	✓		350	285	180													
	PES-700-PW	566720	8.25'		✓	✓		725	560	400													
	PES-800-PW	566721	11.75'		✓	✓		875	750	625		175											
S	PES-1000-PW	566722	11.75'		✓	✓		1150	965	775		200											
	S320PT-20	517100001	14.8'			✓	optional	335		275		185											
	S580PT-20	517100002	13.2'			✓		740		590		345											
	S900PT-20	517100003	15.6'			✓		795		675		470		645									
S1200PT-20	517100004	20'			✓	920			820		645		430										
MS	MS320P-6B	517200001	14.8'			✓		375		310		205											
	MS580P-6B	517200003	13.2'			✓		850		705		450											
	MS580P-6-2B	517200004	13.2'			✓		850		705		450											
	MS900P-6B	517200005	15.6'			✓		980		775		575		180									
F	MS1200P-6B	517200006	20'			✓		1150		1070		890		600									
	F10-1200	566724	22'	✓	✓	✓	optional	1255		1105		840		415		95							
	F20-2700	566725	14.9'	✓	✓	✓		2705		2095		960											
	F30-4000	566726	18.8'	✓	✓	✓		3850		2900		1920		730									
	F40-5500	566727	21.3'	✓	✓	✓		5255		4235		2895		1955		415							
	F50-5000	566728	28.5'	✓	✓	✓		4890		4330		3600		2800		1940		885					
	F70-7300	566729	28'	✓	✓	✓		7095		5930		4665		3195		2040		725					
FP	FP1	566132	14'		✓	✓	✓			1000		390											
	FP2	566133	16'		✓	✓	✓			2200		1210		400									
	FP3	566134	17'		✓	✓	✓			3200		1640		690									
	FP6	566135	27'		✓	✓	✓			5760		4380		3000		1730		350					
	FP9	566137	31'		✓	✓	✓			8100		6580		4860		3290		1930					
PWM	PWM2600	517250	10'	✓		✓	optional	2550		1560													
	PWM3900	517251	12.7'	✓		✓		3300		2700		1380											
	PWM5200	517252	20'	✓		✓		4080		3460		2460		1080									
WGP	WGP-65-PW	566409	20'	✓		✓		1900		1250		785		325									
	WGP-80-PW	566417	29.5'	✓		✓		3500		3200		2700		2100		1300		695					
	WGP-95-PW	566407	30'	✓		✓		4280		4000		3500		2850		2200		1370					
WGFP	WGFP-75	566069	36'		✓	✓				4890		4350		3750		3070		2262					
	WGFP-100	566070	35'		✓	✓				6400		5500		4700		3700		2500					
	WGFP-150	566071	32'		✓	✓				9750		8200		6500		4600		2200					
	WGFP-200	566072	45'		✓	✓				16000		15000		13410		11575		9775		7645			

= OPERATING RANGE

= DO NOT OPERATE RANGE

FLOW CAPACITY IS IN US GALLONS PER HOUR (GPH), TOTAL DYNAMIC HEAD IS IN FEET (')

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 x Diameter (ft) x Diameter (ft) x Depth (ft) x 7.48 = Gallons

WATER PUMPS

WET ROTOR PUMPS - F-SERIES

These 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.

FEATURES

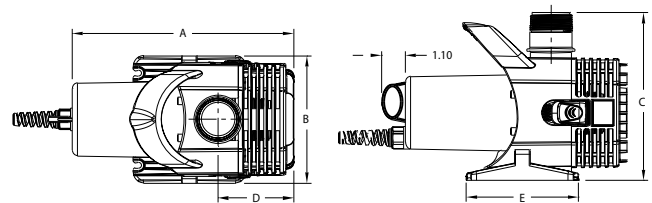
- Constructed without mechanical seal or oil
- Screw attachment to hold screen in place
- Rope/cable loop for deep installation retrieval
- Modular screen ability
- Use externally or submersed
- Mount vertically or horizontally
- Rated for continuous duty

SERIES SPECIFICATIONS

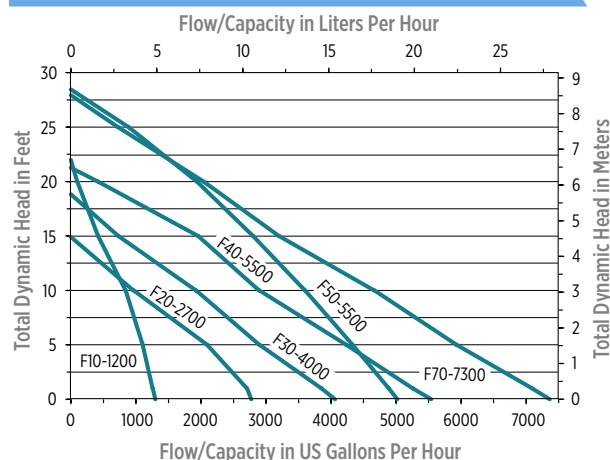
Item No.	Model	Volts	Amps	Watts	Intake MNPT	Discharge MNPT	Gallons per hour (Liters per hour) @ Height							Shut-off	Cord
							0'	1'	5'	10'	15'	20'	25'		
566724	F10-1200	115	1.3	157	1.5" (38.1 mm)	1.5" (38.1 mm)	1295 (4902)	1255 (4751)	1105 (4183)	840 (3180)	415 (1571)	95 (360)	-	22'	20' (6 m)
566725	F20-2700	115	1.25	147	1.5" (38.1 mm)	1.5" (38.1 mm)	2770 (10486)	2705 (10240)	2095 (7930)	960 (3634)	-	-	-	14.9'	20' (6 m)
566726	F30-4000	115	1.82	215	2" (50.8 mm)	2" (50.8 mm)	4060 (15369)	3850 (14574)	2900 (10978)	1920 (7268)	730 (2763)	-	-	18.8'	20' (6 m)
566727	F40-5500	115	3.0	360	2" (50.8 mm)	2" (50.8 mm)	5540 (20971)	5255 (19892)	4235 (16031)	2895 (10959)	1955 (7400)	415 (1571)	-	21.3'	20' (6 m)
566728	F50-5000	115	3.6	413	2" (50.8 mm)	2" (50.8 mm)	5020 (19003)	4890 (18511)	4330 (16391)	3600 (13627)	2800 (10599)	1940 (7344)	885 (3350)	28.5'	20' (6 m)
566729	F70-7300	115	5.5	660	2" (50.8 mm)	2" (50.8 mm)	7365 (27880)	7095 (26857)	5930 (22447)	4665 (17659)	3195 (12094)	2040 (7722)	725 (2744)	28'	40' (12.1 m)

DIMENSIONS

Dimensions (in)	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



PERFORMANCE



* Pump performance at 120 VAC with no intake screen



Franklin Electric

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Spec Sheet M5316

WET ROTOR PUMPS - FP-SERIES

These 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.

FEATURES

- Fitting adapters included
- Use with a screen or skimmer recommended
- Energy efficient
- Clog resistant and capable of passing 1/5-inch solids
- Can be used externally or submerged
- Rated for continuous duty

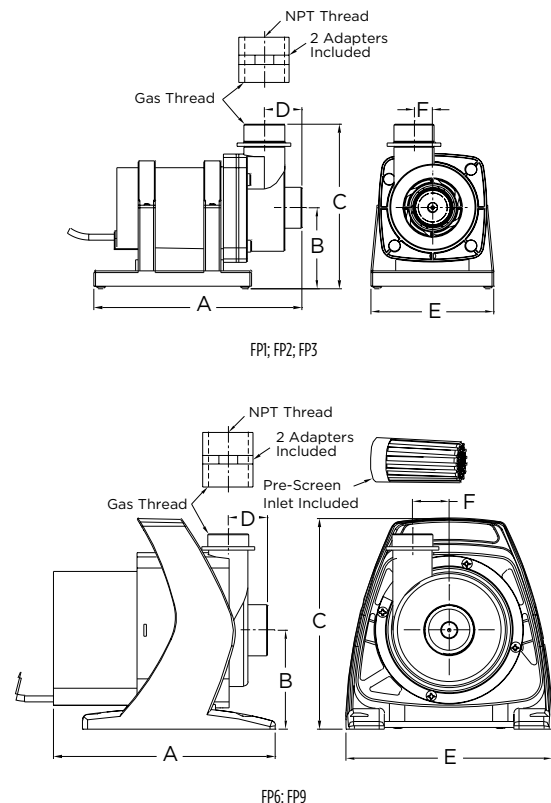
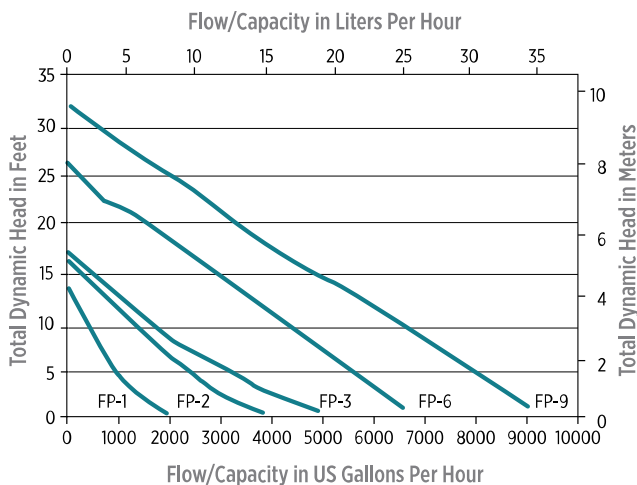
SERIES SPECIFICATIONS

Item No.	Model	Volts	Amps	Watts	Intake FNPT	Discharge FNPT	Gallons per hour (Liters per hour) @ Height					Shut-off (ft)	Cord
							5'	10'	15'	20'	25'		
566132	FP1	115	0.9	106	1.25" (31.7 mm)	1.25" (31.7 mm)	1000 (3785)	390 (1476)	-	-	-	14' (4.2 m)	26'
566133	FP2	115	1.45	167	1.5" (38.1 mm)	1.5" (38.1 mm)	2220 (8404)	1210 (4580)	400 (1514)	-	-	16' (4.8 m)	26'
566134	FP3	115	1.85	226	2" (50.8 mm)	2" (50.8 mm)	3200 (12113)	1640 (6208)	690 (2612)	-	-	17' (5.1 m)	26'
566135	FP6	115	4.6	557	2" (50.8 mm)	1.5" (38.1 mm)	5760 (21804)	4380 (16580)	3000 (11356)	1730 (6549)	350 (1325)	27' (8.2 m)	26'
566137	FP9	115	6.5	730	2" (50.8 mm)	2" (50.8 mm)	8100 (30662)	6580 (24908)	4860 (18397)	3290 (12454)	1930 (7306)	31' (9.4 m)	26'

DIMENSIONS

Dimensions (in)	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

PERFORMANCE





WET ROTOR PUMPS - PWM-SERIES

These high volume wet rotor pumps are durable, reliable and energy efficient. Their power and simplicity of operation make them the perfect choice for many water gardening applications, including waterfalls, streams, ponds, and fountains.

FEATURES

- Horizontal discharge or use the 90° elbow for vertical discharge
- Removable inlet screen with access to intake allows for in-line installation
- Advanced motor technology for reduced energy consumption
- Removable screen for easy cleaning
- Rated for continuous use

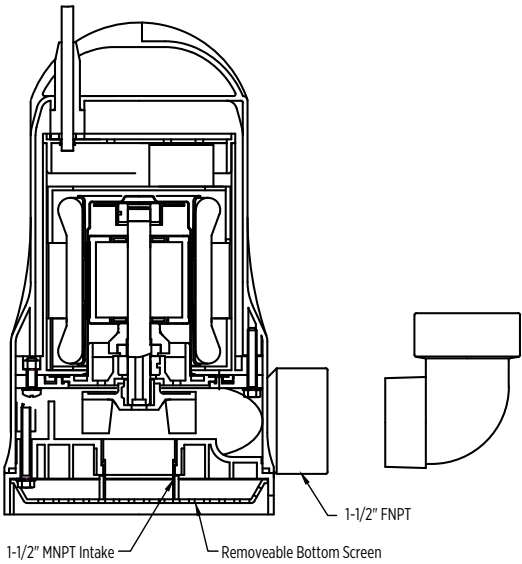
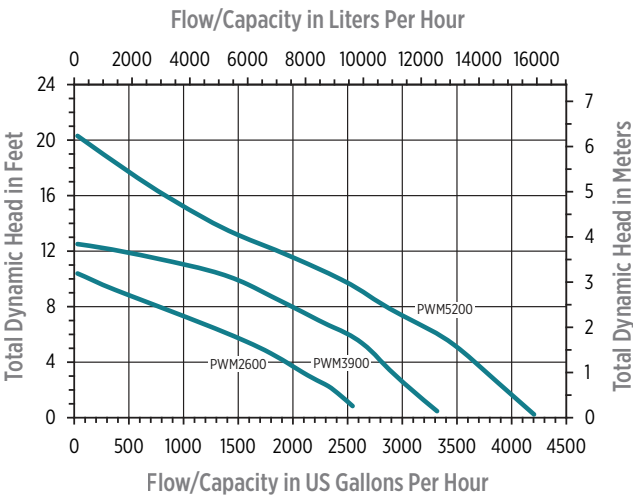


SERIES SPECIFICATIONS

Item No.	Model	Volts	Amps	Watts	Intake MNPT	Discharge FNPT	Gallons per hour (Liters per hour) @ Height				Shut-Off	Cord
							1'	5'	10'	15'		
517250	PWM2600	115	1.8	155	1.5" (38.1 mm)	1.5" (38.1 mm)	2550 (9653)	1560 (5905)	-	-	10'	20' (6 m)
517251	PWM3900	115	2.4	280	1.5" (38.1 mm)	1.5" (38.1 mm)	3240 (12265)	2700 (10221)	1380 (5224)	-	12.7'	20' (6 m)
517252	PWM5200	115	5.0	410	1.5" (38.1 mm)	1.5" (38.1 mm)	4080 (15444)	3460 (13098)	2460 (9312)	1080 (4088)	20'	20' (6 m)

OIL-FREE

PERFORMANCE



DIMENSIONS

Item	L	W	H	Weight
517250	5.75	6.75	10.28	10.0
517251	5.75	6.75	10.28	11.0
517252	5.75	6.75	11.50	11.0

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 including water features and hydroponic drip systems.

FEATURES

- Adjustable flow control valve
- Ceramic shaft for longer life
- Corrosion-resistant body
- Rated for continuous duty

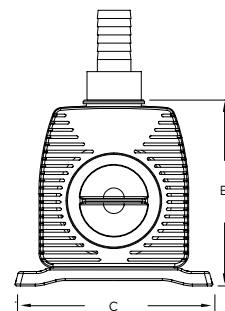
SERIES SPECIFICATIONS

Item No.	Model	Volts	Amps	Watts	Discharge	Gallons per hour (Liters per hour) @ Height				Shut-off	Cord
						1'	3'	5'	10'		
566713	PES-40-PW	120	0.03	2.5	0.5", 0.375" (12.7, 9.5 mm)	45 (170)	-	-	-	2.1' (0.6 m)	6' (1.8 m)
566714	PES-80-PW	120	0.14	8	0.5", 0.375" (12.7, 9.5 mm)	77 (291)	20 (76)	-	-	3.5' (1.0 m)	6' (1.8 m)
566716	PES-130-PW	120	0.23	11	0.5", 0.625", 0.75" (12.7, 15.8, 19.05 mm)	130 (492)	85 (322)	-	-	5.5' (1.6 m)	6' (1.8 m)
566717	PES-290-PW	120	0.4	23	0.5", 0.625", 0.75" (12.7, 15.8, 19.05 mm)	300 (1136)	180 (681)	115 (435)	-	7.25' (2.2 m)	6' (1.8 m)
566718	PES-380-PW	120	0.64	33	0.5", 0.625", 0.75" (12.7, 15.8, 19.05 mm)	350 (1325)	285 (1079)	180 (681)	-	7' (2.1 m)	15' (4.5 m)
566720	PES-700-PW	120	0.75	57	0.75" (19 mm)	725 (2744)	560 (2120)	400 (1514)	-	9.5' (2.8 m)	15' (4.5 m)
566721	PES-800-PW	120	0.95	90	0.75" (19 mm)	875 (3312)	750 (2839)	625 (2366)	175 (662)	11.75' (3.5 m)	15' (4.5 m)
566722	PES-1000-PW	120	1.4	98	1" (25.4 mm)	1150 (4353)	965 (3653)	775 (2934)	200 (757)	12.47' (3.8 m)	15' (4.5 m)

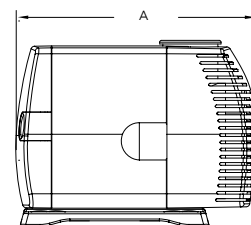
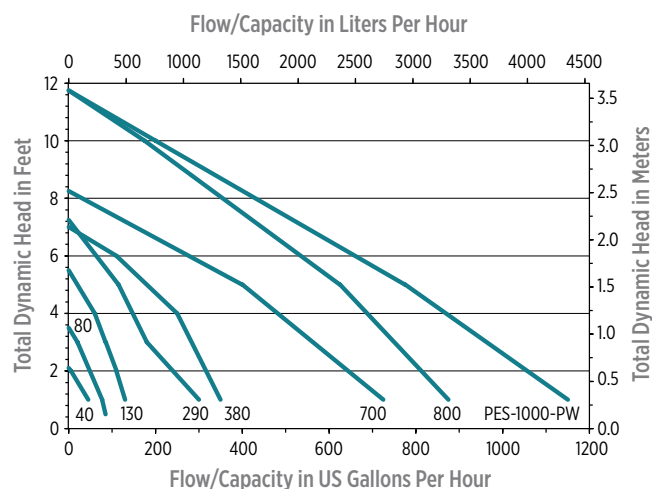


DIMENSIONS

Dimensions (in)	A	B	C
PES-40-PW	1.9	1.16	1.7
PES-80-PW	2.8	2.2	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



PERFORMANCE



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 statuary fountains. Pre-filter is included to protect the pump.



FEATURES

- Adjustable flow control valve
- Hooded volute option for lower intake, indicated by "H"
- Compact design
- Rated for continuous duty

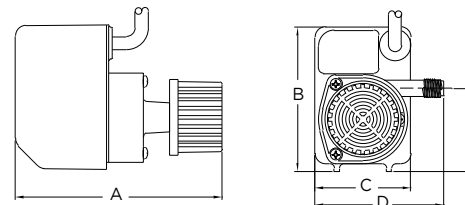


SERIES SPECIFICATIONS

Item No.	Model	Volts	Amps	Watts	Discharge	Gallons per hour (Liters per hour) @ Height				Shut-off (ft)	Cord
						1'	3'	5'	10'		
566604	PE-1H-PW	115	0.6	36	0.25" (6.3 mm)	186 (704)	141 (534)	90 (341)	-	6.5' (1.9 m)	6' (1.8 m)
566608	PE-1F-PW	115	0.6	36	0.25" (6.3 mm)	186 (704)	141 (534)	90 (341)	-	6.5' (1.9 m)	15' (4.5 m)
566609	PE-2H-PW	115	0.8	47	0.25" (6.3 mm)	300 (1136)	270 (1022)	237 (897)	120 (454)	12.2' (3.7 m)	6' (1.8 m)
566611	PE-2F-PW	115	0.8	47	0.25" (6.3 mm)	300 (1136)	270 (1022)	237 (897)	120 (454)	12.2' (3.7 m)	15' (4.5 m)
566612	PE-2.5F-PW	115	1.4	80	0.5" (12.7 mm)	475 (1798)	440 (1666)	390 (1476)	210 (795)	13.4' (4.0 m)	15' (4.5 m)

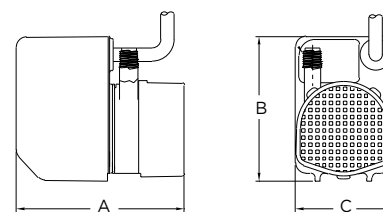
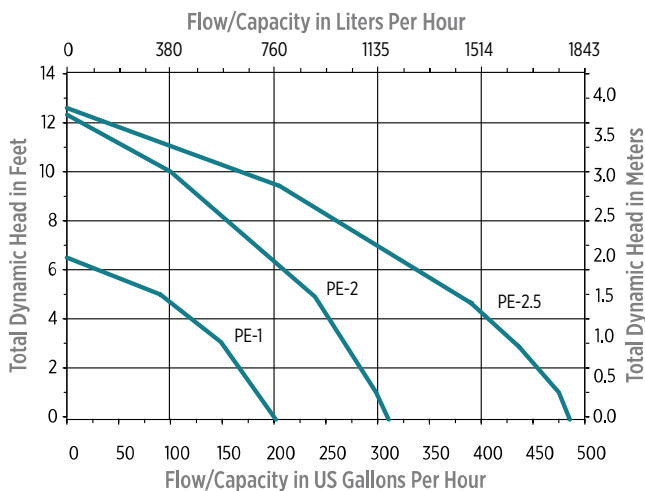
DIMENSIONS

Dimensions (in)	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-2.5-PW, PE-2F-PW, PE-1F-PW

PERFORMANCE



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



DIRECT DRIVE PUMPS - S-SERIES

These premium stainless steel and bronze pumps provide quiet operation and trouble-free use submerged or in open air below water level for ponds, water gardens, medium to large fountains, water displays, waterfalls, streams, and aeration.



Inlet filter included

FEATURES

- Designed to perform in fresh and salt water
- Optional mounting stand sold separately
- Designed for continuous duty
- Includes built-in flow control
- Use submerged or in open air below water level

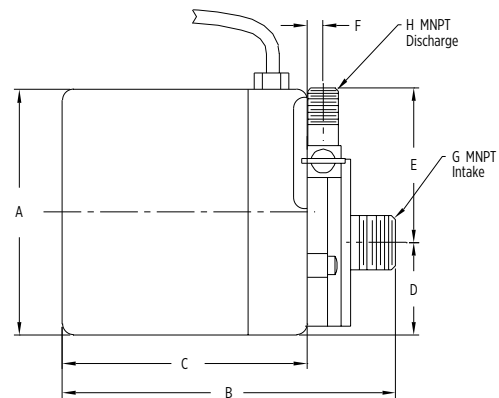
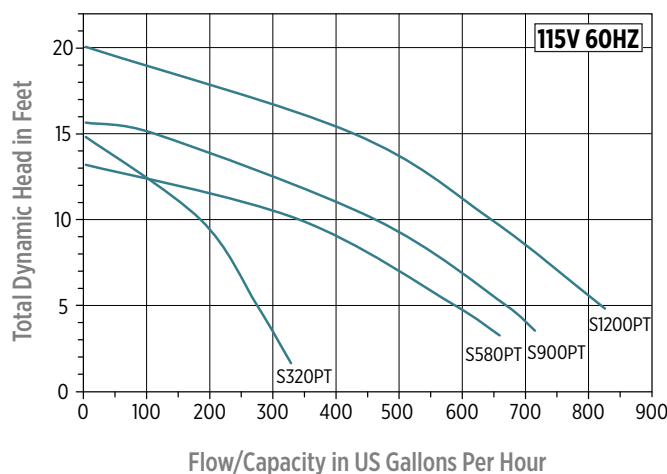
SERIES SPECIFICATIONS

Item No.	Model	Volts	Amps	Watts	Intake	Discharge MNPT	Gallons per hour (Liters per hour) @ Height				Shut-Off	Cord
							1 ft / 0.3 m	5 ft / 1.5 m	10 ft / 3.0 m	15 ft / 4.6 m		
517100001	S320PT-20	115	0.50	60	0.5" (12.7 mm)	0.25" (6.3 mm)	335 / 1268	275 / 1040	185 / 700	-	14.8' (4.5 m)	20' (6 m)
517100002	S580PT-20	115	0.65	70	0.75" (19 mm)	0.5" (12.7 mm)	740 / 2800	590 / 2235	345 / 1305	-	13.2' (4.0 m)	20' (6 m)
517100003	S900PT-20	115	0.75	85	0.75" (19 mm)	0.5" (12.7 mm)	795 / 3010	675 / 2555	470 / 1780	115 / 435	15.6' (4.7 m)	20' (6 m)
517100004	S1200PT-20	115	1.00	105	0.75" (19 mm)	0.5" (12.7 mm)	920 / 3480	820 / 3105	645 / 2440	430 / 1628	20' (6.1m)	20' (6 m)

DIMENSIONS

Dimensions (in)	A	B	C	D	E	F	G MNPT	H MNPT
S320PT-20	3.85"	5.4"	3.85"	2.10"	2.22"	0.40"	1/2"	1/4"
S580PT-20	4.45"	6.5"	4.75"	2.37"	2.75"	0.45"	3/4"	1/2"
S900PT-20	4.45"	6.5"	4.75"	2.37"	2.75"	0.45"	3/4"	1/2"
S1200PT-20	4.45"	6.5"	4.75"	2.37"	2.75"	0.45"	3/4"	1/2"

PERFORMANCE



DIRECT DRIVE PUMPS - WGP-SERIES

This efficient, dual discharge pump produces 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. Ideal for filtration, waterfalls, and streams.

FEATURES

- Dual discharge can serve two water features simultaneously
- Mount vertically or horizontally
- Removable pre-filter for easy cleaning
- Rated for continuous duty

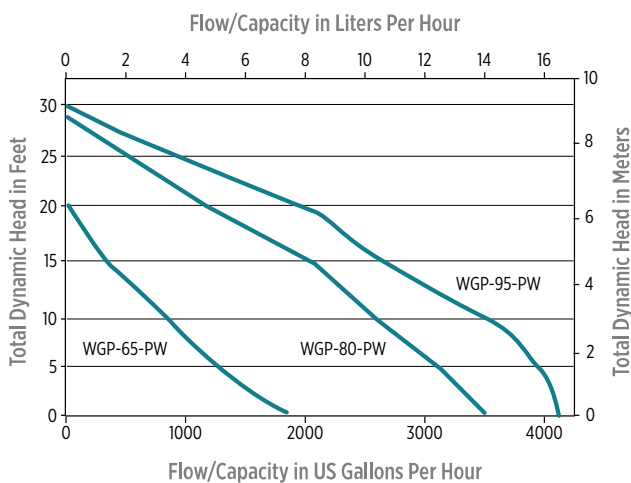
SERIES SPECIFICATIONS

Item No.	Model	Volts	Amps	Watts	Discharge FNPT	Gallons per hour (Liters per hour) @ Height						Shut-off	Cord
						1'	5'	10'	15'	20'	25'		
566409	WGP-65-PW	115	2	230	1.25" (31.7 mm)	1900 (7192)	1250 (4732)	785 (2972)	325 (1230)	-	-	20' (6.1 m)	16' (4.8 m)
566417	WGP-80-PW	115	6.3	700	1.25" (31.7 mm)	3500 (13249)	3200 (12113)	2700 (10221)	2100 (7949)	1300 (4921)	695 (2631)	29.5' (8.9 m)	16' (4.8 m)
566407	WGP-95-PW	115	6.3	700	1.25" (31.7 mm)	4280 (16202)	4000 (15142)	3500 (13249)	2850 (10788)	2200 (8328)	1370 (5186)	30' (9.1 m)	16' (4.8 m)

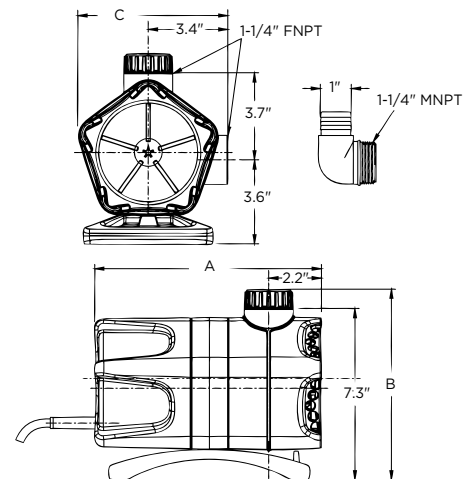
DIMENSIONS

Dimensions (in)	A	B	C	Weight
WGP-65-PW	9.6	8.1	6.35	10.43 (4.73)
WGP-80-PW	11.0	8.1	6.35	14.68 (6.65)
WGP-95-PW	11.0	8.1	6.35	14.68 (6.65)

PERFORMANCE



OIL-FREE



DIRECT DRIVE PUMPS - WGFP-SERIES

Constructed with stainless steel, cast iron and durable thermoplastic, these solids handling submersible water feature pumps meet the rigorous demands of the most impressive water features.

FEATURES

- Corrosion-resistant body
- Dual seals for added protection in larger models
- Heavy-duty, stainless steel motor housing
- Rated for continuous use if fully submerged
- Solids handling up to 1"

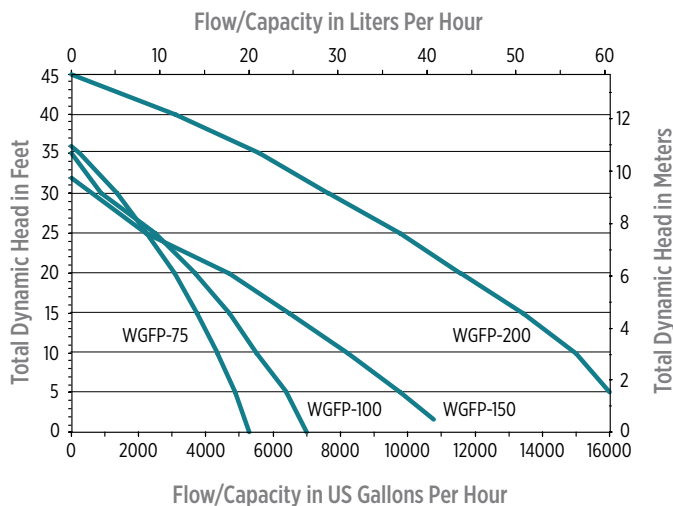
SERIES SPECIFICATIONS

Item No.	Model	Volts	Amps	Watts	Discharge FNPT	Gallons per hour (Liters per hour) @ Height								Solids Handling	Shut-off	Cord
						5'	10'	15'	20'	25'	30'	35'	40'			
566069	WGFP-75	115 V	8	847	2" (50.8 mm)	4890 (18511)	4350 (16467)	3750 (14195)	3070 (11621)	2262 (8563)	-	-	-	1.38"	36' (10.6 m)	19' (5.7 m)
566070	WGFP-100	115 V	12	1210	2" (50.8 mm)	6400 (24227)	5500 (20820)	4700 (17791)	3700 (14006)	2500 (9464)	-	-	-	1.35"	35' (10.6 m)	19' (5.7 m)
566071	WGFP-150	115 V	11	1210	3" (76.2 mm)	9750 (36908)	8200 (31040)	6500 (24605)	4600 (17413)	2200 (8328)	-	-	-	0.75"	32' (9.7 m)	19' (5.7 m)
566072	WGFP-200	230 V	9	2085	3" (76.2 mm)	16000 (60567)	15000 (56781)	13410 (50762)	11575 (43816)	9775 (37002)	7645 (28939)	5610 (21236)	3120 (11810)	0.75"	45' (13.7 m)	32' (9.7 m)

DIMENSIONS

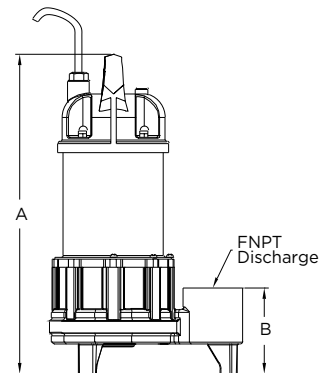
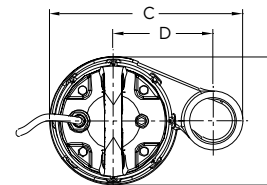
Dimensions (in)	A	B	C	D	E	Weight
WGFP-75	14.44	3.88	8.78	4.53	5.83	30.0
WGFP-100	17.35	4.05	10.29	5.18	6.30	41.0
WGFP-150	18.50	5.00	11.75	6.50	7.50	70.0
WGFP-200	20.31	5.13	11.71	5.96	7.50	80.0

PERFORMANCE



Note:

- Do not run dry
- Do not use with chlorine. Designed for freshwater or natural fountain cleaner use.
- Do not place pump directly on gravel, sand, or mud



SMALL SUBMERSIBLE

These pumps are designed for continuous circulation of statuary fountains. Made with some of the industry's most durable materials, these pumps reach peak performance when completely submerged.



FEATURES

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

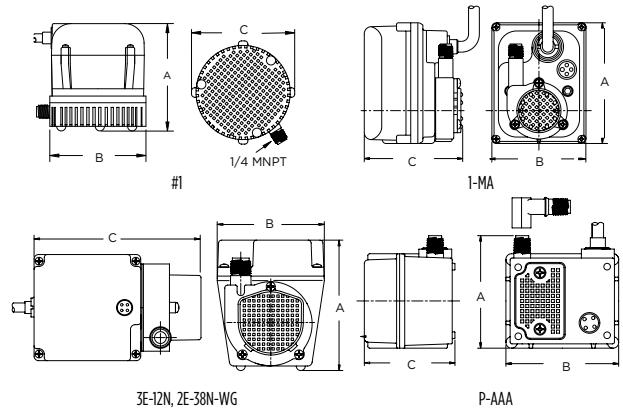


SERIES SPECIFICATIONS

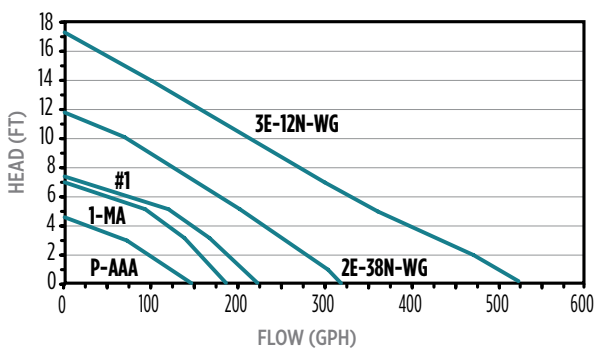
Item No.	Model	Volts	Amps	Watts	Discharge MNPT	Gallons per hour (Liters per hour) @ Height					Shut-off	Cord
						1'	3'	5'	10'	15'		
501004	#1	115	1.1	70	0.25" (6.3 mm)	205 (776)	168 (636)	120 (454)	-	-	7.4' (2.25 m)	6' (1.8 m)
521204	1-MA	115	1.1	70	0.25" (6.3 mm)	170 (644)	140 (530)	100 (379)	-	-	7' (2.1 m)	6' (1.8 m)
502375	2EN-38N-WG	115	1.7	100	0.25" (6.3 mm)	300 (1136)	255 (965)	205 (776)	-	-	11.8' (3.5 m)	15' (4.5 m)
503375	3E-12N	115	3.2	220	0.5" (12.7 mm)	500 (1893)	435 (1647)	337 (1276)	210 (795)	65 (246)	17.3' (5.2 m)	15' (4.5 m)
523375	P-AAA	115	0.5	30	0.25" (6.3 mm)	120 (454)	70 (265)	-	-	-	4.6' (1.4 m)	15' (4.5 m)

DIMENSIONS

Dimensions (in)	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



PERFORMANCE



MARINE PUMPS - MS-SERIES

These stainless steel and bronze pumps come in four models and are suitable for either fresh water or salt water (marine) applications and can be used inline, open-air, or submerged. They are designed for pumping water through the condenser coil for marine air conditioners. Each pump includes a sturdy mounting bracket for securing the pump in position and holding it in place.



Mounting Bracket & Plate included for MS320

Mounting Bracket included for MS580, MS900 and MS1200

FEATURES

- Extremely quiet operation
- MS580P available in 230V 50 Hz/60 Hz
- All models have thermal protection
- Mounting brackets included
- Designed for continuous duty
- ABYC and USCG approved

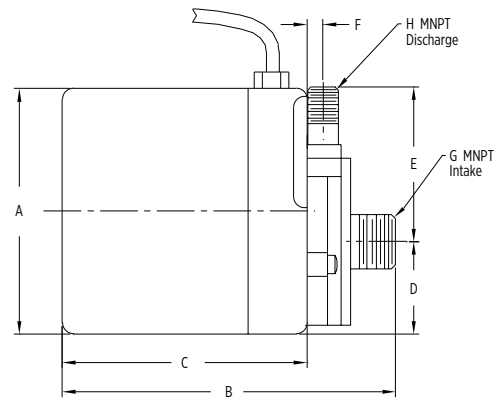
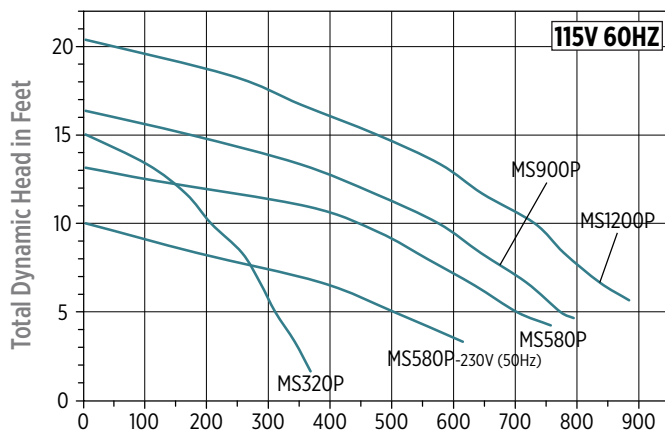
SERIES SPECIFICATIONS

Item No.	Model	Volts	Amps	Watts	Intake MNPT	Discharge MNPT	Gallons per hour (Liters per hour) @ Height				Shut-Off	Cord Length
							1 ft / 0.3 m	5 ft / 1.5 m	10 ft / 3.0 m	15 ft / 4.6 m		
517200001	MS320P-6B	115	0.50	60	0.5" (12.7 mm)	0.25" (6.3 mm)	375 / 1420	310 / 1170	205 / 775	-	14.8' (4.5 m)	6' (1.8 m)
517200003	MS580P-6B	115	0.65	70	0.75" (19 mm)	0.5" (12.7 mm)	850 / 3220	705 / 2670	450 / 1700	-	13.2' (4.0 m)	6' (1.8 m)
517200004	MS580P-6-2B	115	0.40	90	0.75" (19 mm)	0.5" (12.7 mm)	850 / 3220	705 / 2670	450 / 1700	-	13.2' (4.0 m)	6' (1.8 m)
517200005	MS900P-6B	115	0.75	85	0.75" (19 mm)	0.5" (12.7 mm)	890 / 3370	775 / 2930	575 / 2175	180 / 680	15.6' (4.7 m)	6' (1.8 m)
517200006	MS1200P-6B	115	1.00	105	0.75" (19 mm)	0.5" (12.7 mm)	1150 / 4350	1070 / 4050	890 / 3370	600 / 2270	20' (6.1 m)	6' (1.8 m)

DIMENSIONS

Dimensions (in)	A	B	C	D	E	F	G MNPT	H MNPT
MS320P-6B	3.85"	5.4"	3.85"	2.10"	2.22"	0.40"	1/2"	1/4"
MS580P-6B / MS580P-6-2B	4.45"	6.5"	4.75"	2.37"	2.75"	0.45"	3/4"	1/2"
MS900P-6B	4.45"	6.5"	4.75"	2.37"	2.75"	0.45"	3/4"	1/2"
MS1200P-6B	4.45"	6.5"	4.75"	2.37"	2.75"	0.45"	3/4"	1/2"

PERFORMANCE



FOUNTAINS & FEATURES

DISAPPEARING WATER FEATURES - BASINS & VAULTS

Little Giant® heavy-duty disappearing water feature basins are perfect for in-ground installations. These basins are ideal for smaller applications where space is limited. Basins sit flush with the ground, and the sectioned access plates make maintenance a breeze. Cover the basin with a wide variety of rocks or pottery (not included) for a disappearing water effect. Add any container such as a ceramic or stone vase, and a pump to build a stunning disappearing water feature.



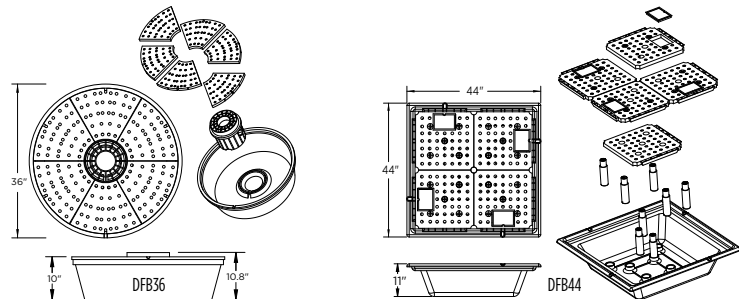
SERIES SPECIFICATIONS

Item No.	Model	Dimensions (in)	Description
566517	DFB36	36" W x 36" L x 10.8" H	Supports up to 2000 lbs
566559	DFB36PP	-	Bulk Priced 566517 w/purchase of 5 units
566558	DFB44	44" W x 44" L x 11" H	Supports up to 3000 lbs
566560	DFB44PP	-	Bulk Priced 566558 w/purchase of 5 units
566410	SF	19" W x 19" L x 22" H	Pump vault for easy pump access



PARTS

Item No.	Description
166469	6 X Wedge Grates
166468	1 X Basin Column
166471	8 X Tubes
166472	1 X Base Plate
166473	4 X Square Grate



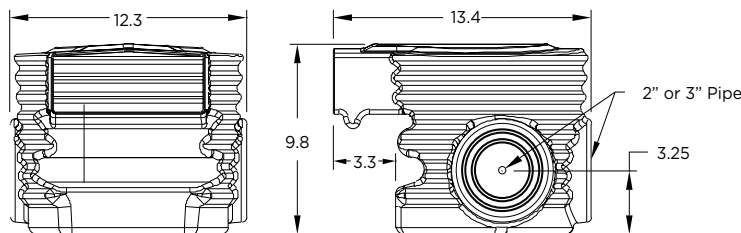
WATERFALL WEIRS

Waterfall weirs 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.



SERIES SPECIFICATIONS

Model	Item No.	Dimensions (in)	Max. Flow Rate	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"



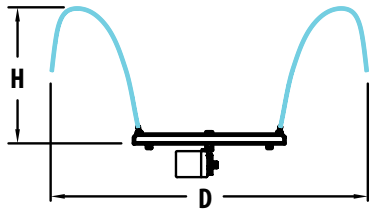


FOUNTAIN NOZZLE

The most appealing aspect of a water garden is the tranquil sights and sounds of moving water. The fountain nozzle creates a unique effect in ponds and is easy to use.

SERIES SPECIFICATIONS

Model	Item No.	Inlet	Description
Ring Jet RJ21	517200	1/2" FNPT	17" diameter with 21 adjustable outward, inward or spiral spray pattern jet nozzles



400 GPH = 4.5' H x 8' D
900 GPH = 9' H x 11' D
1500 GPH = 11' H x 19' D

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.

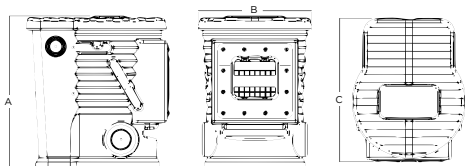


FEATURES

- Two stages of filtration provided
- Multiple sizes fit every feature

SERIES SPECIFICATIONS

Skimmers	Item No.	Dimensions (in)			Weight	Max. Flow
		A	B	C		
SK2.5	566131	23.25	21.7	17.2	8.0	2500 gph
SK5	14940171	23.25	25.9	20.0	25.0	5000 gph
SK10	14940172	23.25	31.4	23.9	33.0	10000 gph



ACCESSORIES

Skimmer Accessories	Item No.	Dimensions (in)	Discharge	Included
AFV-GH Auto Fill Kit	566286	-	<ul style="list-style-type: none"> • 1/2" MNPT auto-fill valve • 1/2" barb adapter • 1/2" female adapter • 3/4" FGHT (garden hose adapter) 	-
SK2 Skimmer Repair Kit	566813	-	-	Plate, gate float, gate spring, hinge pin, seal, screen, sealant
SK5 Skimmer Repair Kit	566815	-	-	
SK10 Skimmer Repair Kit	566816	-	-	



PUMP PRE-FILTER REPLACEMENT PADS

Mechanical filters clean the water before it enters the pump. Easy-to-use replacement media takes the hassle out of filter maintenance.

FEATURES

- Extends pump life
- Simple replacement media
- Multiple sizes

SERIES SPECIFICATIONS

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



BIOLOGICAL FILTRATION - WATERFALL FILTERS

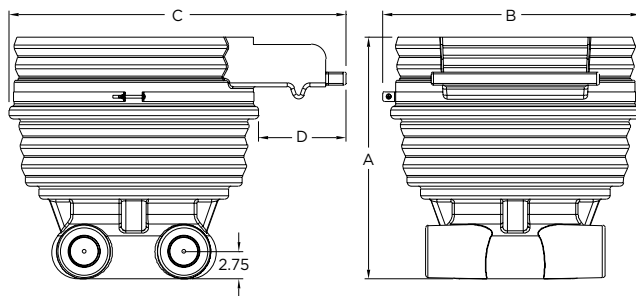
Little Giant® biological waterfall filters were created to help maintain a balanced ecosystem. These highly efficient models use the latest filtration technology to decrease maintenance time and provide quick, toolless access to the filters. These units produce natural flowing waterfalls, with all plumbing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

FEATURES

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

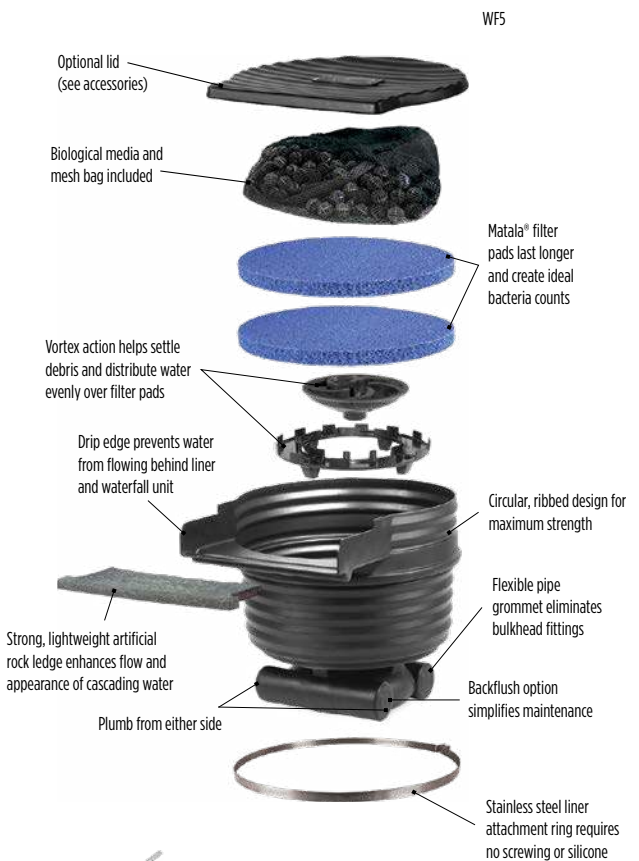
SERIES SPECIFICATIONS

Waterfall Filters	Item No.	Dimensions (in)					Max. Flow	Pipe Connection
		A	B	C	D	Weight		
WF5	571010	24.3	25.8	33.8	8.8	45.0	5000 gph	2"
WF10	571011	28.8	32.3	40.2	8.8	62.0	10000 gph	2" or 3"

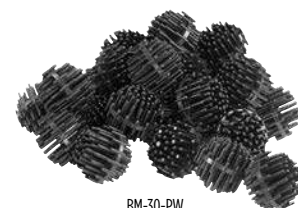


ACCESSORIES

Waterfall Filter Accessories	Item No.
WFF-20 - ROCKIN FOAM®, 12 count	599057
BM-30-PW, 30 count	566112
Optional Lid for WF5	170313
Optional Lid for WF10	170315



WFF-20 - Rockin Foam®



BM-30-PW

BUILDING A POND/STREAM

TO BUILD 1400 GALLON POND

Description	Model	Item No.
Skimmer	SK2.5	566131
Filter	WF5	571010
Pump	F20-2700	566725
Liner	10' x 15'	566545
Auto Fill Kit	AFV-GH Auto Fill	566286
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
Liner	15' x 20'	566547
Auto Fill Kit	AFV-GH Auto Fill	566286
Waterfall Foam	WFF-20-Rockin Foam	599057



TO BUILD DISAPPEARING STREAM

Description	Model	Item No.
Vault	SF	566410
Waterfall Weir	WFW	566239
Pump	F30-4000	566726
Liner	Fit To Size	Page 25
Auto fill Kit	AFV-GH Auto Fill	566286
Waterfall Foam	WFF-20-Rockin Foam	599057



PLUMBING - FITTINGS

This select group of quality plumbing components are affordable and always the right fit. We offer tubing fittings and Schedule 40 fittings suitable for various installations, including vinyl tubing, PVC pipe, and flex PVC.

SERIES SPECIFICATIONS

Model	Item No.	Pipe/Size Tubing	Type
C-2-PW Restrictor Clamp	566289	1/2" (12.7 mm)	Tubing
FC-1/4 Flow Control FNPT x Barb	566228	1/4" (6.35 mm)	Tubing
AD-BH-2 Bulkhead Fitting	566257	2" (50.8 mm)	FNPT
3" Flexible Pipe Grommet	925023	3" (76.2 mm)	BUNA-N
2" Flexible Pipe Grommet	925033	2" (50.8 mm)	BUNA-N
4" Flexible Pipe Grommet	925034	4" (101.6 mm)	BUNA-N
3/4" Flexible Pipe Grommet Fountain Connector	925035	3/4" (19.05 mm)	BUNA-N
CV-SE1 Check Valve	940019	1-1/2" (38.1 mm)	PVC
CV-SE2 Check Valve	940022	2" (50.8 mm)	PVC
CV-SE3 Check Valves	940023	3" (76.2 mm)	PVC



Restrictor Clamp



Flow Control FNPT x Barb



Bulkhead Fitting



Flexible Pipe Grommet



Check Valve

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 20-mil PVC are flexible and safe for aquatic life.

SERIES SPECIFICATIONS

Cut Sizes	Item No.	Dimensions	Approx. Weight
10 x 15 EPDM Liner	566545	10' x 15'	46 lbs
15 x 15 EPDM Liner	566546	15' x 15'	70 lbs
15 x 20 EPDM Liner	566547	15' x 20'	93 lbs
10 x 15 EPDM 6 oz Underlayment	566548	10' x 15'	11 lbs
15 x 15 EPDM 6 oz Underlayment	566549	15' x 15'	16 lbs
15 x 20 EPDM 6 oz Underlayment	566550	15' x 20'	21 lbs



6 oz Underlayment



EPDM Liner; Roll & Mini Roll

SERIES SPECIFICATIONS

Accessories	Item No.	Approx. Weight
6" x 25' EPDM Cover Seam Tape	566369	8 lbs
6" x 100' EPDM Cover Seam Tape	566370	35 lbs
LVOC QuickPrime Plus Quart (12 X 1 QT Bulk Pack)	566371	2 lbs
LVOC QuickPrime Plus Gallon (4 X 1 Gal Bulk Pack)	566372	8 lbs
QuickSeam Scrubber Kit	566373	5 lbs
EPDM Repair Kit (10 Bulk Pack)	566374	2 lbs
EPDM Silicone Roller (6 Bulk Pack)	566375	2 lbs
Pipe Boot	566376	4 lbs



Accessories

SERIES SPECIFICATIONS

Rolls	Item No.	Dimensions	Approx. Weight
5 x 100 EPDM Roll	566357	5' x 100'	155 lbs
10 x 100 EPDM Roll	566358	10' x 100'	310 lbs
15 x 100 EPDM Roll	566359	15' x 100'	465 lbs
20 x 100 EPDM Roll	566360	20' x 100'	620 lbs
25 x 100 EPDM Roll	566361	25' x 100'	775 lbs
30 x 100 EPDM Roll	566362	30' x 100'	903 lbs
40 x 100 EPDM Roll	566364	40' x 100'	1240 lbs
50 x 100 EPDM Roll	566365	50' x 100'	1550 lbs
20 x 50 EPDM Mini Roll	566366	20' x 50'	320 lbs
25 x 50 EPDM Mini Roll	566367	25' x 50'	400 lbs
30 x 50 EPDM Mini Roll	566368	30' x 50'	480 lbs
5 x 300 6 oz Underlayment	566377	5' x 300'	100 lbs



Roll storage rack
not available



PROTECTION - LOW WATER SHUT-OFF

Whether it's a small disappearing fountain or full water garden, protecting an 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 the pond and fish.

SERIES SPECIFICATIONS

Model	Item No.	Volts	Cord
AFV-GH Auto Fill	566286	-	-
RS-5	566009	115	18'
RFSN-16	599211	115/230	20'
RFSN-20	599318	115/230	20'

ACCESSORIES - FISH NETS

SERIES SPECIFICATIONS

Model	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



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

FILTRATION

Item No.	Model	Description
860-10	-	Filter pad for spillway 10"
860-18	-	Filter pad for spillway 18"
170277	-	Mesh bag for biomedica
170299	-	Skimmer net for SK5
170300	-	Skimmer net for SK10
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
170465	-	Skimmer net for SK2.5
170461	-	Lid for SK2.5
170463	-	Grate for SK2.5
517101	CFS955	Foam filter for CFS155T and CFS170T
566109	PF-RP-PW	PF-AD replacement pad
566111	FK-SBF-RP-PW	FB replacement filter pad
566112	BM-30-PW	Biomedica, 30 ct
566113	SBF-1-RP-PW	Replacement filters
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
14940581	-	Skimmer lid plug

PUMPS

Item No.	Model	Description
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
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





