

Dear Fountain or Pool Professional,

You are now the proud owner of a parts catalog over 40 years in the making. Established in 1966, Hobbs Architectural Fountains has been an industry leader in the design and manufacturing of architectural fountain systems and components. A solid foundation in engineering as well as a committed focus to quality components, new product research and development, and top notch customer support have been at the core of the company.

Recent strategic growth in our company has allowed us the opportunity to expand our product line into neighboring industries. We can extend our expertise of **Spray Effects, Pumping Equipment, Submersible Lighting** and **Water Filtration** across a wide range of applications, and still provide the same consistent quality and support as always.

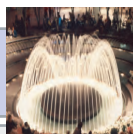
Along with the products listed here, we are uniquely set up with a full range of capabilities through our other departments.

H₂O Fun - Designed for play, these are fountains for kids of all ages. Our selection of interchangeable spray features allows you to be creative in designing the ultimate aquatic playground.

One Source Aquatics - A highly specialized team of installers and builders with a focus on custom water features and fountains.

Our full-service customer care team are prepared to analyze and solve any water feature issue, assist in your replacement parts selection and will schedule a field engineer to service your system and even train maintenance personnel. Please feel free to give us a call at any stage of your project and let us know how we can help.

100 Series Spray Effects



200 Series In-Slab Pool Fittings



300 Series Pumps and Filtration



400 Series Electrical and Lighting



500 Series Maintenance Products



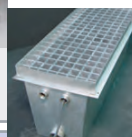
600 Series Pump Stations



700 Series Pump Pads



800 Series Wet-PAK Kits



Appendix

We are thinking twice about what we create, & its environmental impact. Hobbs has reevaluated their core values, and has initiated a response to their personalized green challenge. You can find out more at hobbsfountains.com.



Product Disclaimer: With an ongoing focus on innovation, new technologies and quality components we are continually working on and improving our standard product line. Wm. Hobbs, Ltd. reserves the right to make changes at any time, without prior notice, to specifications, material, part numbers, prices and to discontinue products or product components.

Parts Catalog

HOBBS
ARCHITECTURAL FOUNTAINS

a Wm. Hobbs, Ltd. company

Toll Free: 1.877.426.4622

Phone: 770.457.3000

Fax: 770.457.4225

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100 Series

Spray Effects

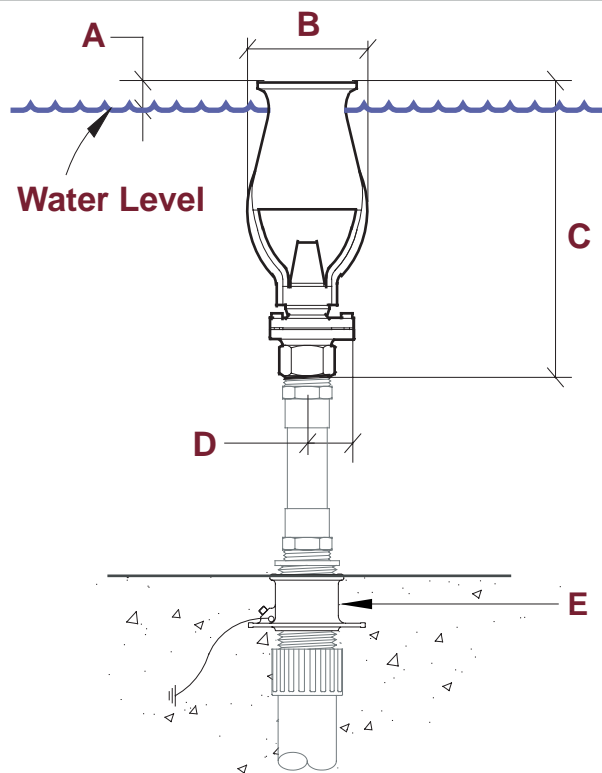
The **100 Series Spray Effects** are arguably the most significant part of our product line because they set the emotional tone of the fountain. Sometimes called “jets,” these parts create the visual effect we see, hear, and even feel. From a subtle ripple to an erupting geyser, there are Spray Effects to meet the needs of even the most complex fountain design.

All 100 Series Spray Effects are made from high-quality, non-corrosive materials such as bronze, stainless steel, and copper, ensuring the longevity of your fountain.



Function:

The **111 Series Geyser Jet** is our most popular jet. It produces a massive frothy, white column of water that is conical in shape. The Geyser Jet complements any architectural situation whether displayed individually or in groups.



Size	A	B	C	D
3/4"	1/2"	2-7/8"	7-1/8"	R1-1/4"
1-1/2"	1/2"	4-7/8"	11-1/2"	R1-15/16"
3"	1/2"	7-5/8"	1'-5-3/4"	R3-15/16"

Recommended accessories shown in drawing: (E) 276 Series Slab Penetration. Not shown but recommended: 486 Series Water Level Sensor, Surge/Baffle Collar.



Key Features:

- Adjustable to 15 degrees off vertical.
- Machined cast bronze construction, with stainless steel fasteners.
- Three connection sizes available: 3/4", 1-1/2" & 3".
- **Water level dependent.** Will require a constant water level above the orifice.

111 Series

Geyser Jet

#111-1070 Geyser Jet:
3/4" Solder connection; 1/4" orifice.

#111-1071 Geyser Jet:
3/4" NPT connection; 1/4" orifice.

#111-1150 Geyser Jet:
1-1/2" Solder connection; 5/8" orifice.

#111-1151 Geyser Jet:
1-1/2" NPT connection; 5/8" orifice.

#111-1300 Geyser Jet:
3" Solder connection; 1-1/8" orifice.

#111-1301 Geyser Jet:
3" NPT connection; 1-1/8" orifice.



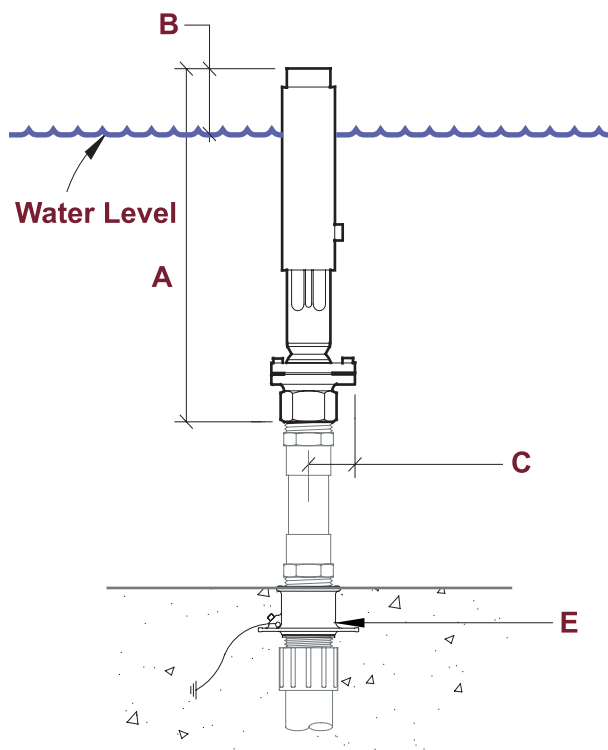
Model	Order #	Flow Volume & Pressure	Spray Height												Shipping Weight
			2'	3'	4'	5'	6'	8'	10'	12'	15'	20'	25'	30'	
111-1070	200-20048	GPM	17	19	21	23	26	30	33						5.0 lbs.
111-1071	200-20049	Head (ft)	30	34	43	51	61	77	83						
111-1150	200-20124	GPM	28	30	33	38	43	50	54	60	73				11.0 lbs.
111-1151	200-20125	Head (ft)	15	21	28	35	43	52	63	73	86				
111-1300	200-20190	GPM				119	128	140	153	168	189	221	281	297	38.0 lbs.
111-1301	200-20191	Head (ft)				18	23	29	35	41	50	60	97	121	

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Function:

The **112 Series Aeration Jet** produces a tight, frothy column of water. It is attractive in any setting, particularly when installed with underwater lighting. The effect is spectacular when used in groups or mounted on spray rings, bars, grids or a jet pod.



Size	A	B	C
3/4"	8-1/8"	1-3/8"	R1-1/4"
1-1/2"	1'-1-1/2"	2-1/2"	R1-15/16"
3"	1'-9-1/2"	3"	R3-15/16"

Recommended accessories shown in drawing:
(E) 276 Series Slab Penetration. Not shown but recommended: 486 Series Water Level Sensor.



Key Features:

- Adjustable to 15 degrees off vertical.
- Machined cast bronze construction, with stainless steel fasteners.
- Three connection sizes available: 3/4", 1-1/2" & 3".
- The adjustable collar allows the ratio of air-to-water entrainment to be varied, changing the spray height as well as the frothiness of the column of water.
- **Water level dependent.** Will require a constant water level above the orifice.

112 Series

Aeration Jet

#112-1070 Aeration Jet:
3/4" Solder connection; 1-1/4" orifice.

#112-1071 Aeration Jet:
3/4" NPT connection; 1-1/4" orifice.

#112-1150 Aeration Jet:
1-1/2" Solder connection; 2-1/8" orifice.

#112-1151 Aeration Jet:
1-1/2" NPT connection; 2-1/8" orifice.

#112-1300 Aeration Jet:
3" Solder connection; 3" orifice.

#112-1301 Aeration Jet:
3" NPT connection; 3" orifice.



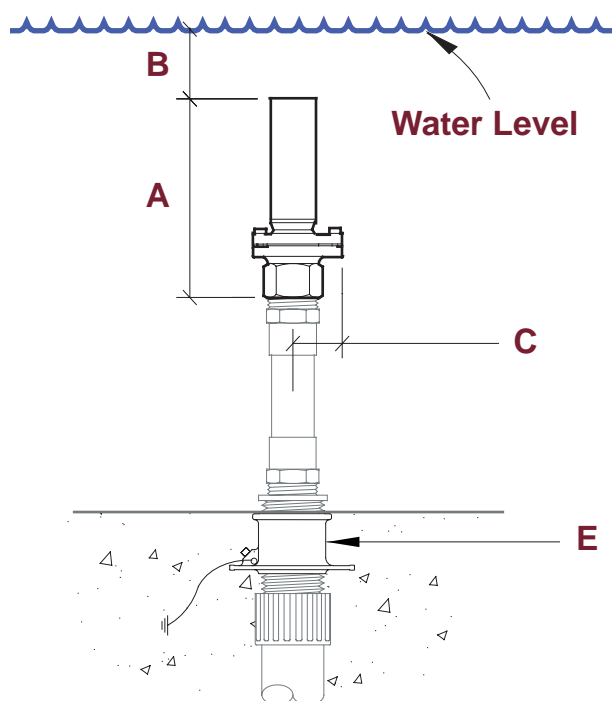
Model	Order #	Flow Volume & Pressure	Spray Height											Shipping Weight
			3'	5'	8'	10'	15'	20'	25'	30'	35'	40'	52'	
112-1070	200-20052	GPM	4	6	8								3.0 lbs.	
112-1071	200-20053	Head (ft)	17	23	31									
112-1150	200-20128	GPM	10	12	16	18	23	27	31	34			9.0 lbs.	
112-1151	200-20129	Head (ft)	11	14	20	23	31	39	48	61				
112-1300	200-20194	GPM			88	93	110	123	140	155	162	172	186	29.0 lbs.
112-1301	200-20195	Head (ft)			25	28	37	46	55	64	72	80	100	

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Function:

The **113 Series Bubbler Jet** are positioned just below the water level, pushing massive amounts of aerated water to a height and width of 36", appearing as a solid, frothy mound of water. Mounting in groups or on spray rings, bars, grids, or a jet pod is particularly striking.



Size	A	B	C
3/4"	4"	2"	R1-1/4"
1-1/2"	7"	4"	R1-15/16"
3"	5-1/2"	4"	R3-15/16"

Recommended accessories shown in drawing:
(E) 276 Series Slab Penetration. Not shown but recommended: 486 Series Water Level Sensor, Surge/Baffle Collar.



Key Features:

- Adjustable to 15 degrees off vertical.
- Machined cast bronze construction, with stainless steel fasteners.
- Three connection sizes available: 3/4" 1-1/2" & 3".
- **Water level dependent.** Will require a constant water level above the orifice.

113 Series

Bubbler Jet

#113-1070 Bubbler Jet:
3/4" Solder connection; 1" orifice.

#113-1071 Bubbler Jet:
3/4" NPT connection; 1" orifice.

#113-1150 Bubbler Jet:
1-1/2" Solder connection; 1-1/2" orifice.

#113-1151 Bubbler Jet:
1-1/2" NPT connection; 1-1/2" orifice.

#113-1300 Bubbler Jet:
3" Solder connection; 3" orifice.

#113-1301 Bubbler Jet:
3" NPT connection; 3" orifice.



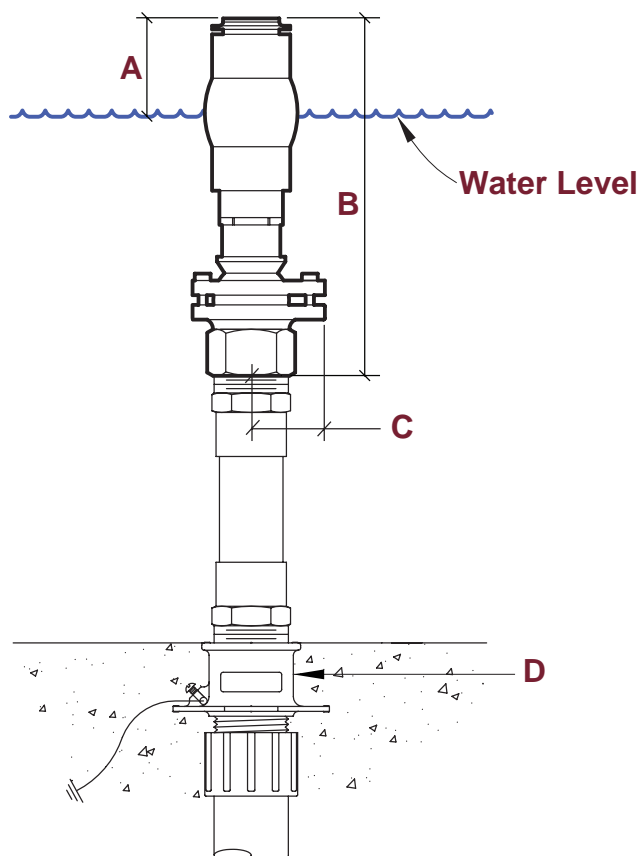
Model	Order #	Water Level	Flow Volume & Pressure	Spray Height					Shipping Weight
				12"	18"	24"	30"	36"	
113-1070	200-20056	2"	GPM	11	13	15			3.0 lbs.
113-1071	200-20057		Head (ft)	7	10	14			
			Dia.	10"	13"	17"			
113-1150	200-20132	4"	GPM	30	33	37	41		7.0 lbs.
113-1151	200-20133		Head (ft)	9	11	14	16		
			Dia.	12"	14"	18"	24"		
113-1300	200-20198	4"	GPM	65	70	76	81	87	21.0 lbs.
113-1301	200-20199		Head (ft)	7	10	13	16	20	
			Dia.	12"	15"	20"	25"	29"	

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Function:

The **120 Series Frothy Foam Jet** produces a frothy white stream of water which is thick and can be lighted with wonderful results. When mounted in groups, on spray rings, bars, grids, or in our flush mount cans, this jet is particularly striking.



Size	A	B	C
1-1/2"	3"	9-1/8"	R1-15/16"

Recommended accessories shown in drawing:
(D) 276 Series Slab Penetration. Not shown but recommended: 486 Series Water Lever Sensor, Surge/Baffle Collar.



120 Series

Frothy Foam Jet

#120-1150 Frothy Foam Jet: 1 1/2" Solder connection; 1-3/16" orifice.

#120-1151 Frothy Foam Jet: 1 1/2" NPT connection, 1-3/16" orifice.

Key Features:

- Adjustable to 15 degrees off vertical.
- Stainless Steel, plastic and machined cast bronze construction, with stainless steel fasteners.
- **Water level independent.** Jet can be placed in water or above water level without affecting performance.

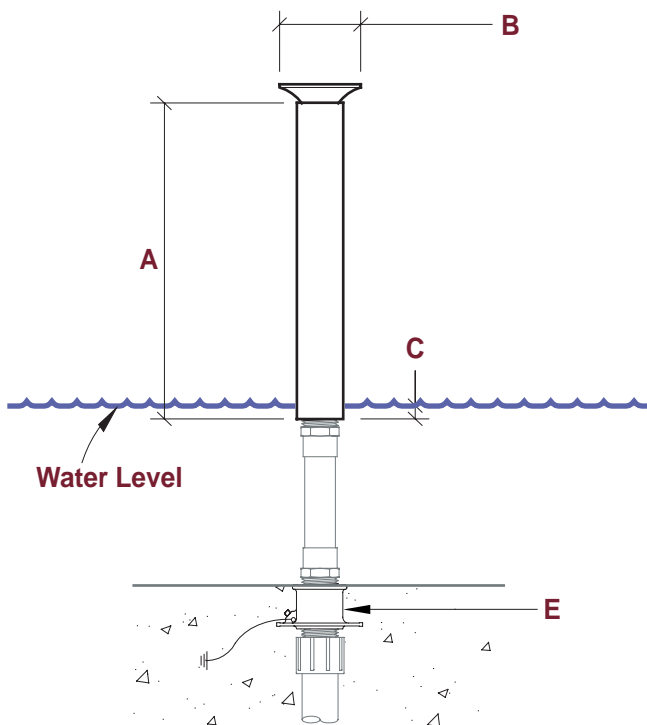
Model	Order #	Flow Volume & Pressure	Spray Height							Shipping Weight
			1'	1.5'	2'	2.5'	3'	4'	6'	
120-1150	200-22020	GPM	13	14	16	18	21	23	29	7.0 lbs.
		Head (ft)	4	6	7	8	9	10	12	
120-1151	200-22021	Splash Dia.	10"	12"	16"	20"	22"	24"	24"	

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Function:

Perfect for quiet, intimate settings, the **131 Series Bell Jet** produces a delicate, transparent sheet of shimmering water in a dome or bell-shaped pattern. Bell Jets are ideal for offices, malls, and gardens.



Model	A	B	C
131-1210	12"	3"	1/2"
131-1810	18"	3"	1/2"
131-2410	24"	3"	1/2"

Recommended accessories shown in drawing:
(E) 276 Series Slab Penetration.



Key Features:

- The diameter of the bell is adjustable by varying the gap between the cone and jet body and/or varying volume of flow to the jet.
- Standard finish is #16 polished brass; chrome-plating and powder coat finishes are available by request.
- Filtered or fine strained water recommended for optimum performance.
- Custom versions of height, connection and cone profiles are available by request.
- **Water level independent.**

131 Series

Bell Jet

#131-1210 Bell Jet:
12" height, 1" NPT connection, 74° concave cone.

#131-1810 Bell Jet:
18" height 1" NPT connection, 74° concave cone.

#131-2410 Bell Jet:
24" height 1" NPT connection, 74° concave cone.



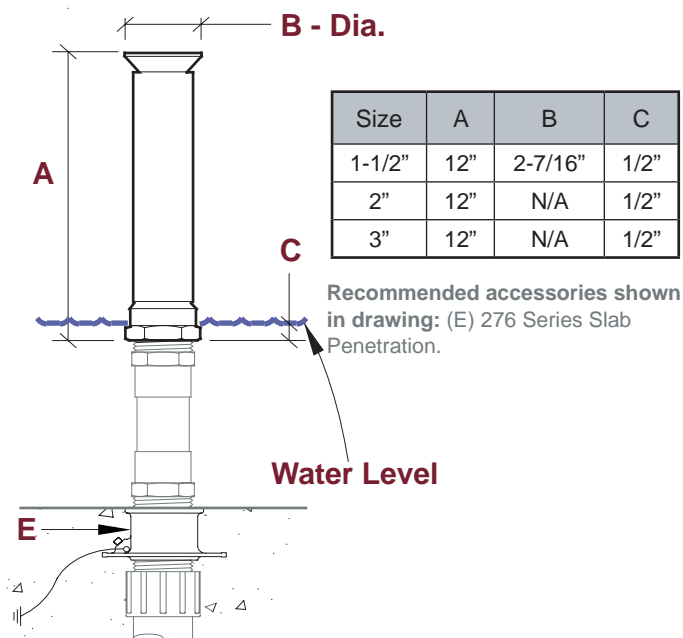
Model	Order #	Water Level	Flow Volume & Pressure	Spray Height			Shipping Weight
				12"	18"	24"	
131-1210	200-20080	2'	GPM	5.5	4	2.5	6.0 lbs.
			Head (ft)	4'	4.5'	5'	
131-1810	200-20081	3'	GPM	10	8	6	7.0 lbs.
			Head (ft)	5'	5.5'	6'	
131-2410	200-20082	4'	GPM	14'	12	10	8.0 lbs.
			Head (ft)	6'	6.5'	7'	

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Function:

The **132 Series Morning Glory Jet** is similar to the 131 Series Bell Jet, but has a spray height and diameter which varies according to the angle on the straight-cut adjustable cone. The two have an inverse relationship: as the degree of the angle increases, the diameter of the spray becomes wider and the height shortens. The angle can be specified when ordering, allowing virtually any look you desire.



Key Features:

- Three connection sizes available: 1-1/2", 2", & 3".
- Standard finish is #16 polished brass; chrome-plating and powder coat finishes are available.
- Filtered or fine strained water recommended for optimum performance.
- Custom sizes available by request.
- Water level independent.

132 Series

Morning Glory Jet

#132-151-XX Morning Glory Jet: XX ° cone angle; 1-1/2" NPT female connection.

#132-201-XX Morning Glory Jet: XX ° cone angle; 2" NPT female connection.

#132-301-XX Morning Glory Jet: XX ° cone angle; 3" NPT female connection.

"XX" = User selectable cone angle, which is down from vertical. Please specify when ordering.



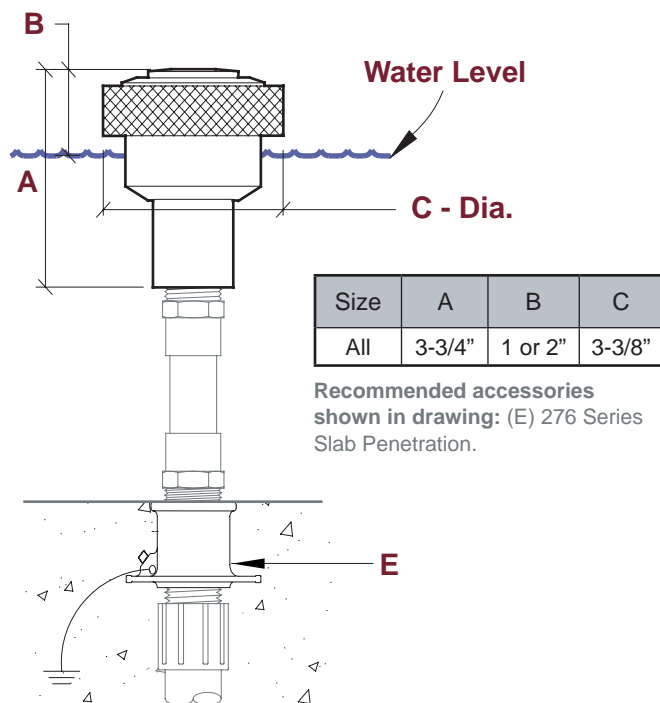
Model	Order #	Flow Factors	Spray Height										Shipping Weight
			7"	8"	10"	12"	13"	14"	16"	18"	20"	24"	
132-151-25	200-20108												9.0 lbs
132-151-30	200-20109	Angle	45°		40°	35°	30°	25°	20°				
132-151-35	200-20110	GPM	36		28	25	22	20	20				
132-151-40	200-20111	Head	2'		2'	2'	2'	2'	2'				
132-151-45	200-20112	Diameter	30"		27"	24"	18"	16"	14"				
132-151-50	200-20113												
132-201-25	200-20165												10.0 lbs
132-201-25	200-20166	Angle		45°	40°	35°		30°	25°	20°			
132-201-30	200-20167	GPM		60	50	40		40	35	41			
132-201-35	200-20168	Head		2'	2'	2'		3'	3'	4'			
132-201-40	200-20169	Diameter		48"	42"	36"		30"	24"	18"			
132-201-45	200-10170												
132-301-20	200-20217												11.0 lbs
132-301-25	200-20218	Angle				45°		45°	35°	30°	25°	20°	
132-301-30	200-20219	GPM				190		150	130	120	100	130	
132-301-35	200-20220	Head				2'		2'	2'				
132-301-40	200-20221	Diameter				24"		16"	14"				
132-301-45	200-20222												

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Function:

The **133 Series Water Castle Jets**, also called “Fleur-de-lis” jets, are multi-orificed, three-tiered jets. Because of the wide selection of sizes and performance levels, there is a Water Castle Jet to enhance almost any setting.



Key Features:

- Multi-orificed, three tiered design.
- Four connection sizes available: 1/4", 1/2", 3/4", & 1-1/4".
- Machined cast brass and copper construction.
- Filtered or fine strained water recommended for optimum performance.
- **Water level independent.**

133 Series

Water Castle Jet

#133-021-19 Water Castle Jet: (19) nozzles; 1/4" female NPT connection.

#133-021-37 Water Castle Jet: (37) nozzles; 1/4" female NPT connection.

#133-051-19 Water Castle Jet: (19) nozzles; 1/2" female NPT connection.

#133-051-37 Water Castle Jet: (37) nozzles; 1/2" female NPT connection.

#133-071-19 Water Castle Jet: (19) nozzles; 3/4" female NPT connection.

#133-071-37 Water Castle Jet: (37) nozzles; 3/4" female NPT connection.

#133-121-19 Water Castle Jet: (19) nozzles; 1-1/4" female NPT connection.

#133-121-37 Water Castle Jet: (37) nozzles; 1-1/4" female NPT connection.

Model	Order # 200-	Flow Factors	Spray Height										Shipping Weight
			7"	8"	10"	12"	13"	14"	16"	18"	20"	24"	
133-021-19	20013	GPM	1.6	2.2	2.7								1.0 lbs
		Head (ft)	5	7	11								
		Dia. (ft)	1.4	2	2.7								
133-021-37	20016	GPM	2.7	3.5	4.5								1.0 lbs
		Head (ft)	6	8	12								
		Dia. (ft)	1.2	1.8	2.4								
133-051-19	20036	GPM		4.5	6.7	8.5							2.0 lbs
		Head (ft)		7	11	13							
		Dia. (ft)		2.4	3.9	4.7							
133-051-37	20037	GPM		4.3	6.4	7.7							2.0 lbs
		Head (ft)		8	12	17							
		Dia. (ft)		2	2.7	3.3							
133-071-19	20071	GPM			16.4	19.6	24.3	27.5					3.0 lbs
		Head (ft)			8	9	11	13					
		Dia. (ft)			6.6	8.1	10.8	12.8					
133-071-37	20072	GPM			17.2	20.1	24.8	28.1					3.0 lbs
		Head (ft)			9	10	12	14					
		Dia. (ft)			5.9	7.6	10	12					
133-121-19	20106	GPM			22	24	27	31	35	42	59	82	5.0 lbs
		Head (ft)			9	11	15	22	27	35	52	73	
		Dia. (ft)			5.1	6.4	9.2	14.5	16.4	20.4	28.9	35.5	
133-121-37	20107	GPM			33	35	39	44	48	56	74	105	5.0 lbs
		Head (ft)			12	16	24	30	35	46	64	91	
		Dia. (ft)			3.6	4.5	6.3	9.9	13.2	17.4	24.3	29.6	



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Function:

The **141 Series Clearstream Jets** produce smooth, clear, non-aerated streams of water. These jets are typically used to create the delicate water patterns seen on applications such as Spray Rings, Spray Arcs, Spray Bars, Rippler Rings, Rippler Arcs, and Rippler Bars.

Clearstream Jets are effective in any daylight setting and display well at night when accented with underwater lighting.



141 Series

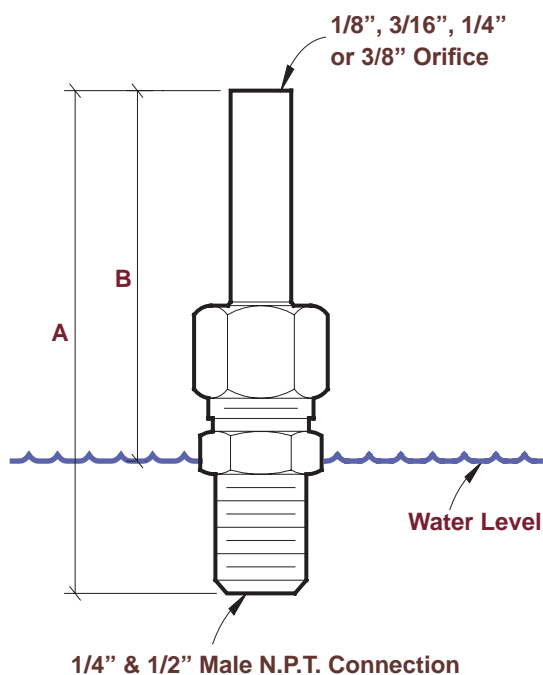
Clearstream Jet

#141-1225 Clearstream Jet:
1/8" orifice, 1/4" male NPT connection.

#141-1825 Clearstream Jet:
3/16" orifice, 1/4" male NPT connection.

#141-2525 Clearstream Jet:
1/4" orifice, 1/4" male NPT connection.

#141-3750 Clearstream Jet:
3/8" orifice, 1/2" male NPT connection.



Key Features:

- 1/4" male NPT inlet.
- Four orifice sizes available: 1/8", 3/16", 1/4" & 3/8".
- Adjustable to 15 degrees off vertical.
- Machined from high quality, noncorrosive brass.
- Suction screening or 100% filtration required.
- Water level independent.



Size	A	B
All	2-3/8"	1-3/4"

Model	Order # 200-	Flow Volume	Spray Height												Shipping Weight
			1'	2'	3'	4'	5'	6'	7'	8'	9'	10'	12'	14'	
141-1225	20005	GPM	.30	.43	.52	.60	.67	.74	.80	.85	.90	.95			.3 lbs
141-1825	20006	GPM	.7	1.0	1.2	1.4	1.5	1.7	1.8	1.9	2.0	2.2	2.4		
141-2525	20007	GPM	1.2	1.7	2.1	2.4	2.7	3.0	3.2	3.4	3.6	3.8	4.2	4.5	
141-3750	20031	GPM	2.4	3.5	4.3	5.1	5.8	6.3	6.9	7.4	7.8	8.3	10.2	11.8	
All Models		Head (ft)	1.4	2.8	4.2	5.6	7.0	8.4	9.8	11.2	12.6	14.0	16.8	19.6	

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Function:

The **141-FJ Series Flex Jets** are deck mounted and produce smooth, clear, non-aerated streams of water. These jets are typically used around pool copings with the adjustable streams landing in the pool. They can be used individually but are particularly effective when used in groups forming arching patterns into the pool



141-FJ Series

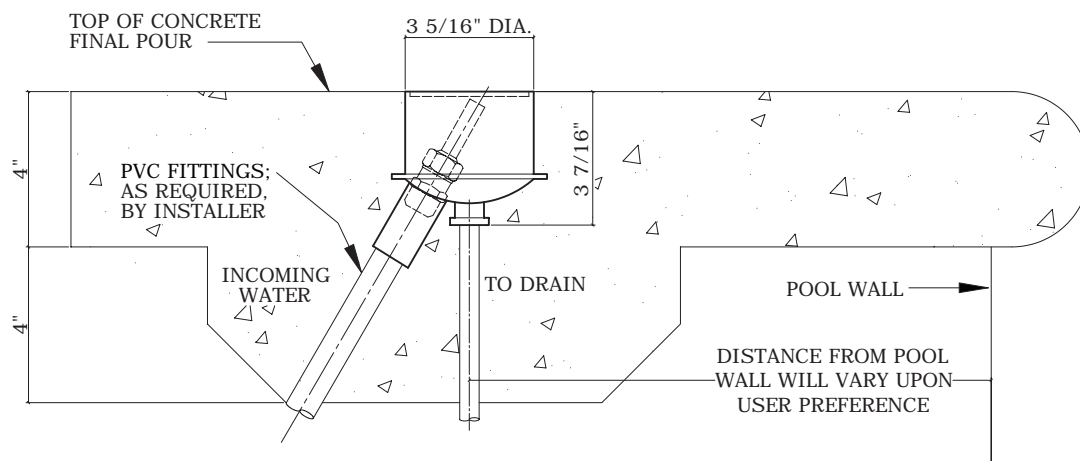
Flex Jet

#141-FJ1 Flex Jet: 3/8" orifice jet, Brass cover plate.

#141-FJ2 Flex Jet: 3/8" orifice jet, Stainless Steel cover plate.

Key Features:

- Rugged PVC construction.
- Brass or Stainless Steel cover plate available.
- Adjustable to 15 degrees.

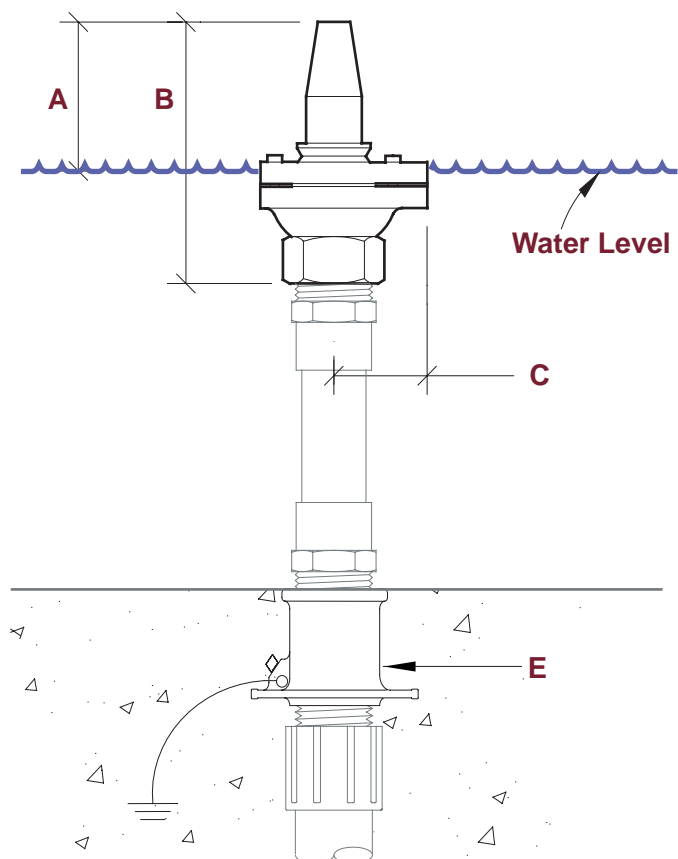


Model	Order # 200-	Flow Volume	Spray Height												Shipping Weight
			1'	2'	3'	4'	5'	6'	7'	8'	9'	10'	12'	14'	
141-FJ1	22040	GPM	2.4	3.5	4.3	5.1	5.8	6.3	6.9	7.4	7.8	8.3	10.2	11.8	1.5 lbs
141-FJ2	22041	GPM													
All Models		Head (ft)	1.4	2.8	4.2	5.6	7.0	8.4	9.8	11.2	12.6	14.0	16.8	19.6	



Function:

The **143-07 Series Clearstream Jet** creates a clean, smooth stream of water. With spray heights reaching 20', the 143 series is adjustable to 15 degrees off vertical allowing flexibility in patterns of spray and throw. The jet is available with either a 1/4" or 3/8" orifice, and a 3/4" NPT or Solder connection inlet.



Size	A	B	C
ALL	2" MIN	3-1/2"	R1-1/4"

Recommended accessories shown in drawing: (E) 276 Series Slab Penetration.



Key Features:

- 3/4" female NPT or Solder connection inlet.
- Two orifice sizes available: 1/4", or 3/8".
- Adjustable to 15 degrees off vertical.
- Machined from high-quality, noncorrosive brass.
- Suction screening or 100% filtration required.
- Water level independent.

143-07 Series

Clearstream Jet

#143-25070 Clearstream Jet: 1/4" orifice, 3/4" Solder connection.

#143-25071 Clearstream Jet: 1/4" orifice, 3/4" NPT connection.

#143-37070 Clearstream Jet: 3/8" orifice, 3/4" Solder connection.

#143-37071 Clearstream Jet: 3/8" orifice, 3/4" NPT connection.



Model	Order # 200-	Flow Volume	Spray Height												Shipping Weight
			1'	2'	3'	4'	5'	6'	7'	8'	9'	10'	15'	20'	
143-25070	20059	GPM	1.2	1.7	2.1	2.4	2.7	2.9	3.2	3.4	3.6	3.8	4.7	5.4	3.0 lbs
143-25071	20060	GPM													
143-37070	20061	GPM	2.7	3.8	4.7	5.4	6.1	6.6	7.2	7.7	8.1	8.6	10.5	12.1	
143-37071	20062	GPM													
All Models		Head (ft)	1.4	2.8	4.2	5.6	7	8.4	9.8	11.2	12.6	14	20	27	

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Function:

The **143-15 Series Clearstream Jet** creates a clean, smooth stream of water. Like our other Clearstream Jets, this model is adjustable to 15 degrees off vertical allowing flexibility in patterns of spray and throw. With spray heights reaching 60', the 143-15 series allows for various settings and configurations. This jet is available in three orifice sizes, 1/2", 5/8", 3/4", with 1-1/2" NPT or solder connection.



143-15 Series

Clearstream Jet

#143-50150 Clearstream Jet: 1/2" orifice, 1-1/2" Solder connection.

#143-50151 Clearstream Jet: 1/2" orifice, 1-1/2" NPT connection.

#143-62150 Clearstream Jet: 5/8" orifice, 1-1/2" Solder connection.

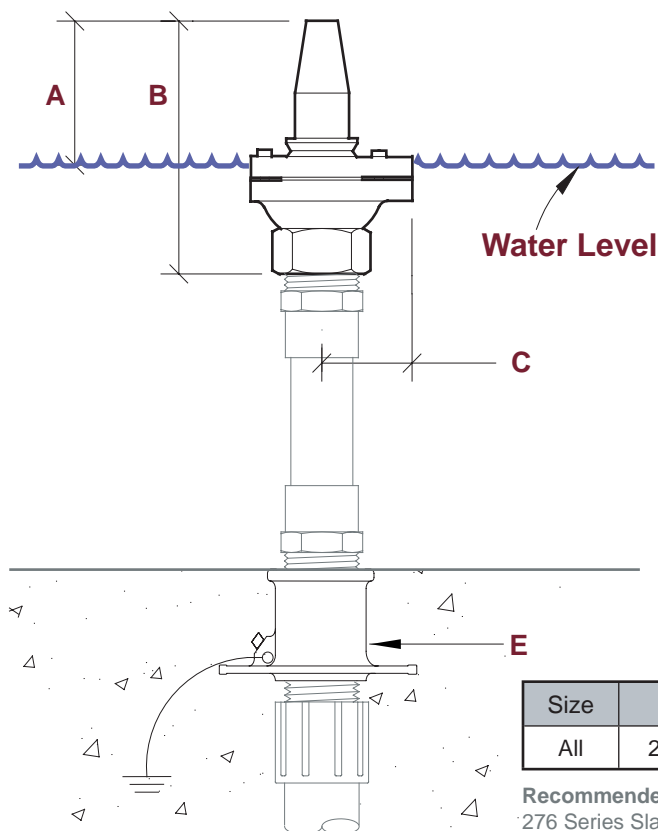
#143-62151 Clearstream Jet: 5/8" orifice, 1-1/2" NPT connection.

#143-75150 Clearstream Jet: 3/4" orifice, 1-1/2" Solder connection.

#143-75151 Clearstream Jet: 3/4" orifice, 1-1/2" NPT connection.

Key Features:

- 1-1/2" female NPT or Solder connection inlet.
- Three orifice sizes available: 1/2", 5/8", and 3/4".
- Adjustable to 15 degrees off vertical.
- Machined from high-quality, noncorrosive brass.
- Water level independent.



Size	A	B	C
All	2" MIN	5-7/16"	R1-15/16"

Recommended accessories shown in drawing: (E) 276 Series Slab Penetration.



Model	Order # 200-	Flow Volume	Spray Height																Shipping Weight
			1'	2'	3'	4'	5'	6'	7'	8'	9'	10'	15'	20'	30'	40'	50'	60'	
143-50150	20135	GPM	5	7	8	10	11	12	13	14	14	15	19	22	26				5.0 lbs
143-50151	20136	GPM																	
143-62150	20137	GPM	8	11	13	15	17	18	20	21	23	24	29	34	41	48	53		
143-62151	20138	GPM																	
143-75150	20139	GPM	11	15	19	22	24	27	29	31	32	34	42	48	59	69	77	84	
143-75151	20140	GPM																	
All Models		Head (ft)	2	3	4	6	7	8	10	11	12	14	20	27	40	54	67	81	

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Function:

The **143-30 Series Clearstream Jet** creates a clean, smooth stream of water. Like our other Clearstream Jets, this model is adjustable to 15 degrees off vertical allowing flexibility in patterns of spray and throw. With spray heights reaching 100', the 143-30 Series allows for versatile settings and configurations. This series is available in four orifice sizes, 7/8", 1", 1-1/8", and 1-1/4", with 3" NPT or Solder connection.



143-30 Series

Clearstream Jet

#143-87300 Clearstream Jet: 7/8" orifice, 3" Solder connection.

#143-87301 Clearstream Jet: 7/8" orifice, 3" NPT connection.

#143-10300 Clearstream Jet: 1" orifice, 3" Solder connection.

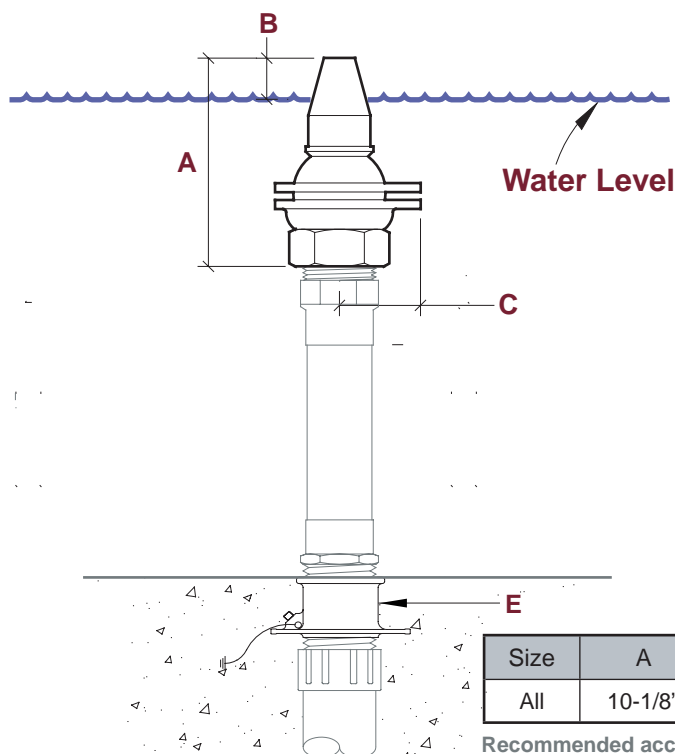
#143-10301 Clearstream Jet: 1" orifice, 3" NPT connection.

#143-11300 Clearstream Jet: 1-1/8" orifice, 3" Solder connection.

#143-11301 Clearstream Jet: 1-1/8" orifice, 3" NPT connection.

#143-12300 Clearstream Jet: 1-1/4" orifice, 3" Solder connection.

#143-12301 Clearstream Jet: 1-1/4" orifice, 3" NPT connection.



Key Features:

- 3" female NPT or Solder connection inlet.
- Four orifice sizes available: 7/8", 1", 1-1/8", and 1-1/4".
- Adjustable to 15 degrees off vertical.
- Machined from high-quality, noncorrosive brass.
- **Water level independent.**

Size	A	B	C
All	10-1/8"	2" MIN	R3-15/16"

Recommended accessories shown in drawing: (E)
276 Series Slab Penetration.

Model	Order # 200-	Flow Volume	Spray Height											Shipping Weight
			10'	15'	20'	30'	40'	50'	60'	70'	80'	90'	100'	
143-87300	20202	GPM	47	57	66	81	93	104	114	123	132	140	147	22.0 lbs
143-87301	20203													
143-10300	20204		61	75	86	105	122	136	149	161	172	183	192	
143-10301	20205													
143-11300	20206		77	94	109	133	154	172	189	204	218	232	244	
143-11301	20207													
143-12300	20208		95	116	134	165	190	213	233	252	269	285	301	
143-12301	20209													
All Models		Head (ft)	14	20	27	40	54	67	81	95	110	125	140	



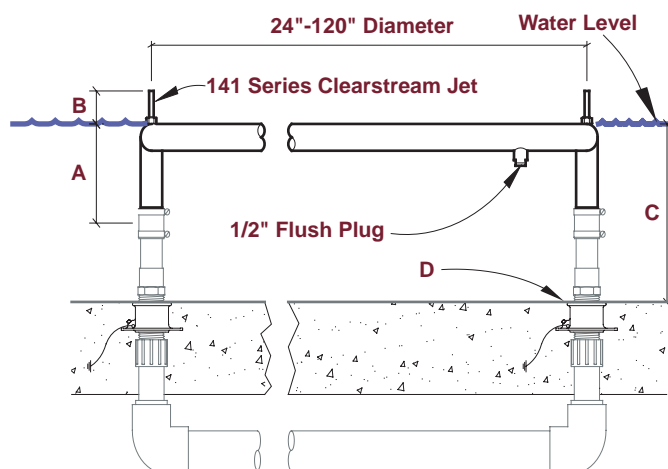
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Function:

The **161 Series Spray Rings** produce delicate, circular spray patterns. The adjustable jets provide the possibility for many different effects including a dome center drop, inside drop, outside drop, vertical, outside basket weave, and inside basket weave.

The idea of the Spray Ring can be taken a step further by creating custom configurations such as the Spray Bar. These can be manufactured to any desired angle or length, making the spray effect suitable for most applications. For further design consultation, please contact our office.



Size	A	B	C
All	6" MIN	2"	18" MAX

Recommended accessories shown in drawing: (D)
276 Series Slab Penetration.



Key Features:

- Nine standard diameters: 24", 30", 36", 48", 60", 72", 96", 108", or 120". Custom rings available upon request.
- Standard rings use adjustable 1/8" orifice, 141 Series Clearstream Jets.
- High-quality copper construction. Brass or stainless steel available.
- Adjustable legs, 18" maximum water depth.
- Fine screening or 100% filtration required.
- **Water level independent.**



161 Series

Spray Ring

#161-024 Spray Ring: 24" OD; 1-1/2" tube construction; two 1-1/2" inlets; one 1/2" flush plug; thirty-eight jets at 3" on center.

#161-030 Spray Ring: 30" OD; 1-1/2" tube construction; two 1-1/2" inlets; one 1/2" flush plug; forty-two jets at 2-1/2" on center.

#161-036 Spray Ring: 36" OD; 2" tube construction; two 2" inlets; one 1/2" flush plug; forty-six jets at 2-1/2" on center.

#161-048 Spray Ring: 48" OD; 2" tube construction; two 2" inlets; two 1/2" flush plugs; fifty jets at 3" on center.

#161-060 Spray Ring: 60" OD; 2" tube construction; two 2" inlets; two 1/2" flush plugs; sixty-two jets at 3" on center.

#161-072 Spray Ring: 72" OD; 2" tube construction; two 2" inlets; two 1/2" flush plugs; seventy-six jets at 3" on center.

#161-096 Spray Ring: 96" OD; 2" tube construction; two 2" inlets; two 1/2" flush plugs; one hundred 0.12" jets at 3" on center.

#161-108 Spray Ring: 108" OD; 2" tube construction; four 2" inlets; four 1/2" flush plugs; one hundred and twelve jets at 3" on center.

#161-120 Spray Ring: 120" OD; 2" tube construction; four 2" inlets; four 1/2" flush plugs; one hundred twenty-four jets at 3" on center.

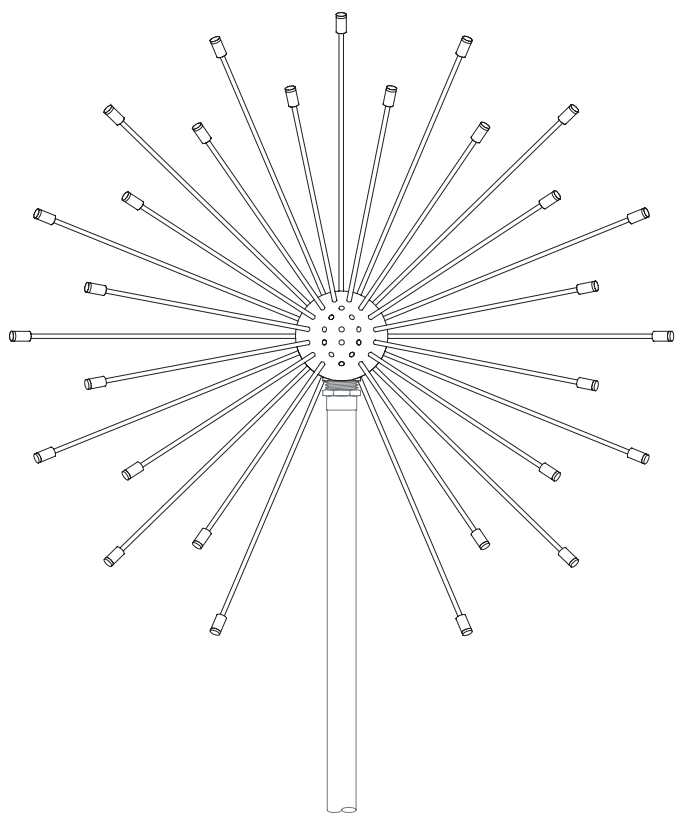
Model	Order # 200-	Dia.	# Jets	Flow Volume	Spray Height						Shipping Weight	
					2'	3'	4'	5'	6'	8'		10'
161-024	20266	24"	38	GPM	16	20	24	26	28	33	37	25.0 lbs
161-030	20267	30"	42		18	23	26	29	31	36	41	35.0 lbs
161-036	20268	36"	46		20	25	28	32	34	40	44	40.0 lbs
161-048	20269	48"	50		22	26	30	34	37	43	48	50.0 lbs
161-060	20270	60"	62		27	33	38	43	46	54	60	65.0 lbs
161-072	20271	72"	76		33	41	47	52	57	66	73	75.0 lbs
161-096	20272	96"	100		43	53	61	68	74	86	96	100.0 lbs
161-108	22022	108"	112		47	58	69	74	81	97	111	115.0 lbs
161-120	20273	120"	124		54	67	77	85	93	108	120	125.0 lbs
All Models				Head	14'	20'	27'	40'	54'	67'	81'	

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Function:

The **173 Series Sphere** produces a ball pattern of fine droplets of water using special flow adjustable thin-sheet jets on copper arms protruding from a central 10" diameter cast bronze hub. Underwater lighting highlights the spray, producing a mystifying, glowing effect.



Recommended accessories not shown in drawing: 492 Series Wind Compensation System.



Key Features:

- High quality cast bronze and brass construction.
- Diameters up to 6'. Custom units available.
- 3" NPT inlet.
- Fine screening or 100% filtration required.
- 492 Series Wind Compensation System required for unprotected, outdoor installations. Sold separately.
- **Water level independent.**

173 Series

Sphere

#173-036-061 Sphere:
3' diameter; 61 arms.

#173-048-061 Sphere:
4' diameter; 61 arms.

#173-048-095 Sphere:
4' diameter; 95 arms

#173-060-095 Sphere:
5' diameter; 95 arms.

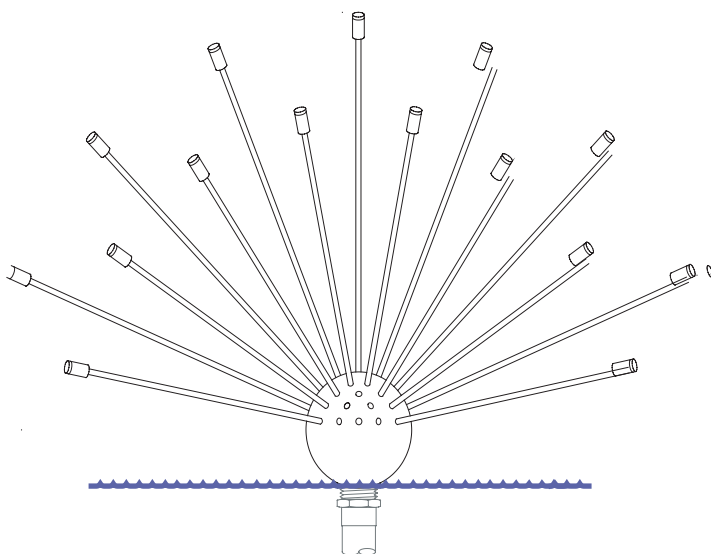
#173-072-095 Sphere:
6' diameter; 95 arms.

Model	Order #	Diameter	# Arms	GPM	Head	Ship Weight
173-036-061	200-20285	3'-0"	61	150	20'	101.0 lbs
173-048-061	200-20286	4'-0"	61	150	24'	118.0 lbs
173-048-095	200-20287	4'-0"	95	240	24'	149.0 lbs
173-060-095	200-20288	5'-0"	95	240	28'	191.0 lbs
173-072-095	200-20289	6'-0"	95	240	32'	217.0 lbs



Function:

The **174 Series Hemisphere** produces a dome of glistening water. The delicate nature of this spray effect makes it the perfect choice for installations requiring a quiet, sculptural feature. The effect is further enhanced by underwater illumination. Individual or group designs are equally attractive in the appropriate architectural setting. The required scale can be selected from our wide range of sizes.



Recommended accessories not shown in drawing: 492 Series Wind Compensation System.



Key Features:

- High quality cast bronze and brass construction.
- Diameters up to 72". Custom units available.
- 3" NPT inlet.
- Fine screening or 100% filtration required.
- 492 Series Wind Compensation System required for unprotected, outdoor installations. Sold separately.
- **Water level independent.**

174 Series

Hemisphere

#174-036-034 Hemisphere:
3' diameter; 34 arms.

#174-048-034 Hemisphere:
4' diameter; 34 arms.

#174-048-051 Hemisphere:
4' diameter; 51 arms.

#174-060-051 Hemisphere:
5' diameter; 51 arms.

#174-072-051 Hemisphere:
6' diameter; 51 arms.

Model	Order #	Diameter	# Arms	GPM	Head	Ship Height
173-036-034	200-20290	3'-0"	34	85	20'	55.0 lbs
173-048-034	200-20291	4'-0"	34	85	24'	64.0 lbs
173-048-051	200-20292	4'-0"	51	130	24'	88.0 lbs
173-060-051	200-20293	5'-0"	51	130	28'	102.0 lbs
173-072-051	200-20294	6'-0"	51	130	32'	116.0 lbs



Function:

The **180 Series Can Jet** is a completely flush mounted unit containing everything needed for a versatile spray effect. Each can contains one 1/2" orifice clearstream jet, which can be turned on and off by the main control panel, as well as LED lighting. When used in multiple groups, options are endless for a complete interactive fountain with multiple spray and lighting sequences.



180 Series

Clearstream Can Jet

#180-V-Ring-W-2: Vertical jet, (1) White Ring LED light, (2) solenoids.

#180-A-Ring-W-2: Angled jet, (1) White Ring LED light, (2) solenoids.

#180-V-Ring-C-2: Vertical jet, (1) Colored Ring LED light, (2) solenoids.

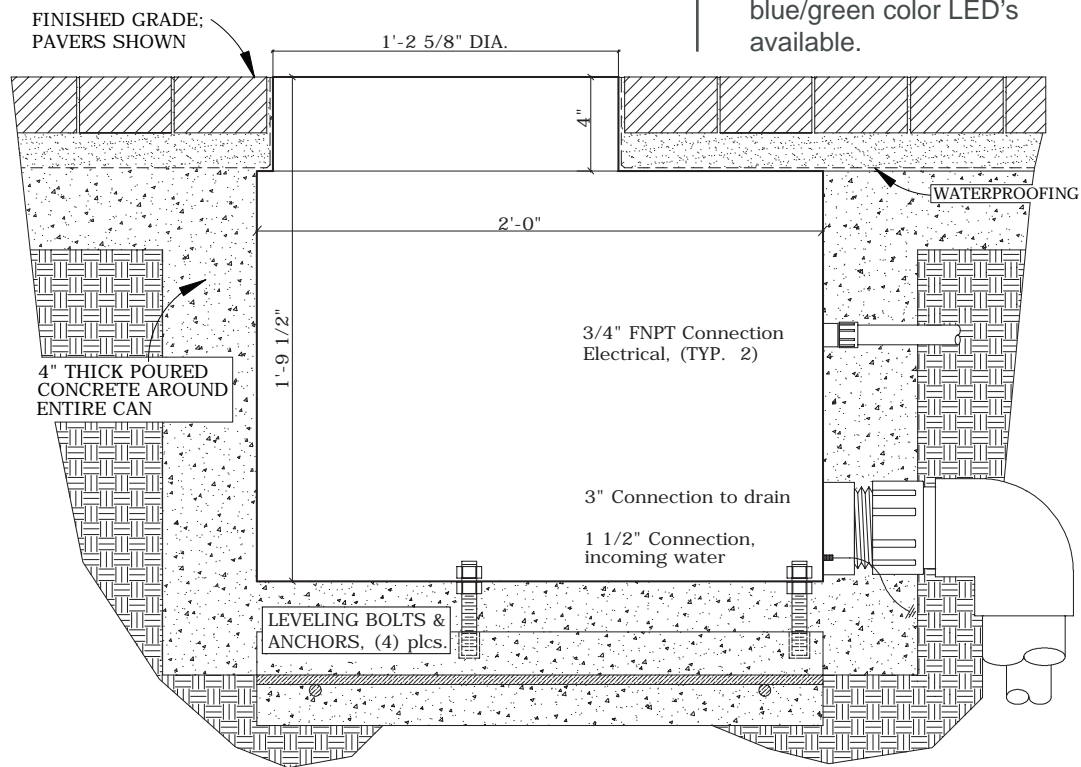
#180-A-Ring-C-2: Angled jet, (1) Colored Ring LED light, (2) solenoids.

Model	Order #
180-V-Ring-W-2	240-24669
180-A-Ring-W-2	240-24670

See 143-15 Series Clearstream Jet for flow calculations.

Key Features:

- High quality stainless steel construction.
- Contains 1/2" orifice clearstream jet.
- Jet can be placed in an angled or vertical position.
- Contains a throttling ball valve for precise water performance.
- 12V AC solid white or red/blue/green color LED's available.



Model Numbering Key								
180 Series	—	Jet Placement	—	Light Series	—	Light Color	—	Solenoid Quantity
Clearstream Jet		Vertical or Angled		Ring		White or Color		2

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Function:

The **182 Series Pop Jet** is a completely flush mounted unit containing everything needed for a versatile spray effect. Each can contains one 3/16" orifice clearstream jet, which is controlled by a 12V AC solenoid valve and the system's control panel. When used in multiple groups, options are endless for a complete interactive fountain with multiple spray and lighting sequences.

The effect is that of a small ball of water "Popping" up into the air. The jet can also be set to run as a stream.



182 Series

Pop Jet

#182-1: (1) 3/16" orifice jet with (1) Ring LED light. 3/4" incoming connection, 2" drain

#182-1B: (1) 3/16" orifice jet with (1) Ring LED light. 3/4" incoming connection, 2" drain; 1/4" ball valve

#182-2: (1) 3/16" orifice jet, no light, 3/4" incoming connection, 2" drain

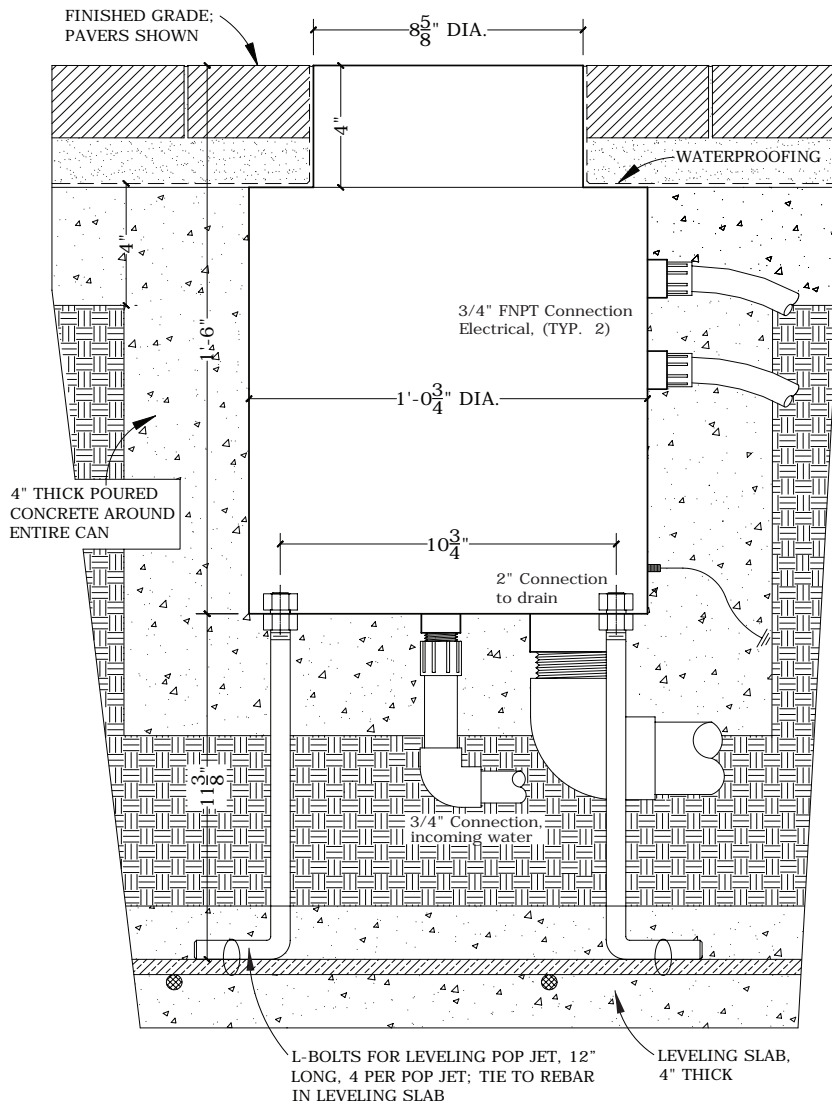
#182-2B: (1) 3/16" orifice jet, no light, 3/4" incoming connection, 2" drain; 1/4" ball valve

Key Features:

- High quality stainless steel construction.
- Contains 3/16" orifice clearstream jet.
- Two spray effects - Popping or Streams.
- 12V AC solid color or multiple color LED's.

Model	Order #	Description
182-1	200-22030	Standard with Ring LED light
182-1B	200-22029	With light, includes a 1/4" ball valve for adjustment inside can.
182-2	200-22026	Standard, no light
182-2B	200-22025	No light, includes a 1/4" ball valve for adjustment inside can.

See 141-1825 Series Clearstream Jet for flow calculations.



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185 Series

AeroSwitch

Function:

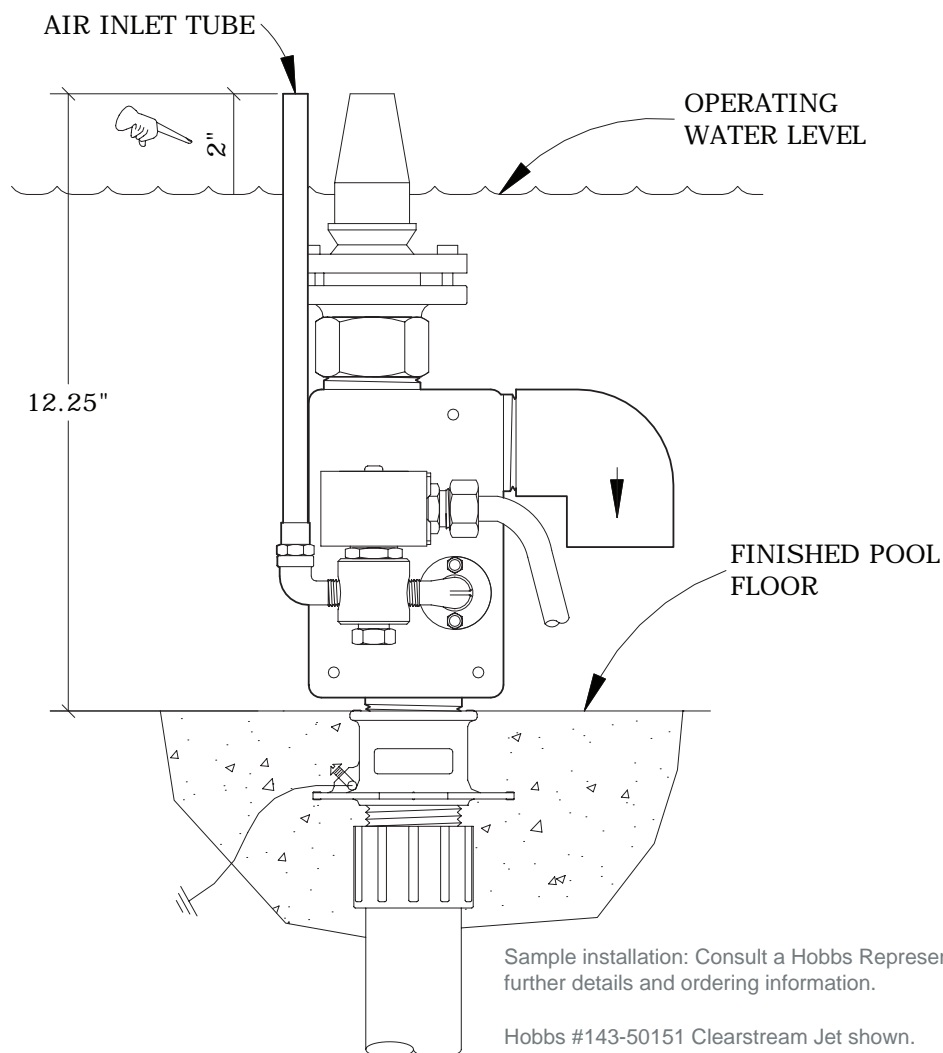
The **185 Series AeroSwitch** utilizes a fast acting solenoid valve to change the direction of water at split second intervals. The performance of the valve allows the switch to be controlled by a computer program for audience captivating jet sequences.

A 1-1/2" jet connection point allows several different spray effects to be coupled with the AeroSwitch. The switch can be mounted in several arrangements depending on the application and desired spray effect.

The solenoid is rated for submersed use for under water installations, while an air supply pipe allows the AeroSwitch to maintain optimal performance.

Key Features:

- ABS plastic housing with Stainless Steel valve and components.
- 1-1/2" MNPT connection point for spray effect.
- 12 or 24VAC solenoid
- Compact design



Sample installation: Consult a Hobbs Representative for further details and ordering information.

Hobbs #143-50151 Clearstream Jet shown.

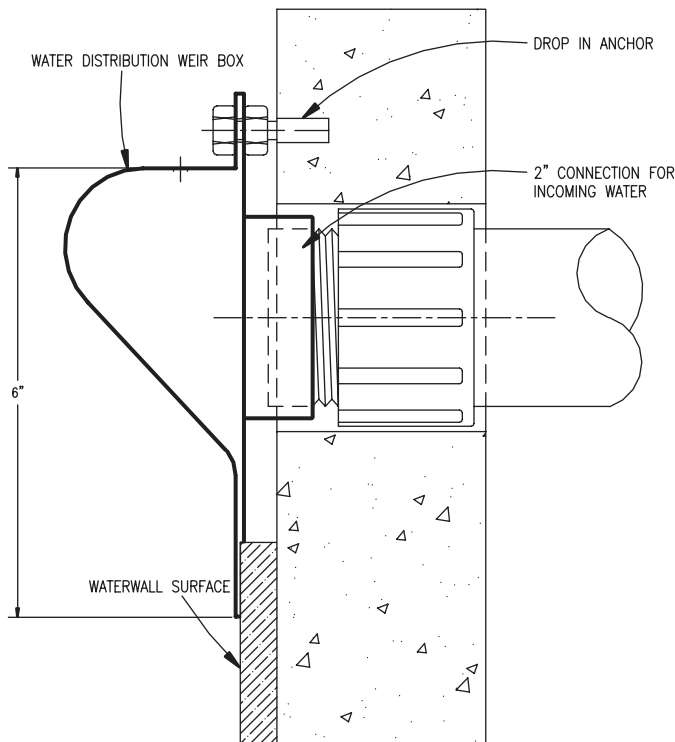


191-1S Series

Waterwall Weir Box

Function:

The **191-1S Series Water Wall Weir Boxes** are an excellent choice when space is at a premium. The box discharges water evenly over a water wall of almost any length. Due to its unique design, the Weir Boxes use very little water to create a classic effect.



Accessories shown in drawing: 2" Male Adapter with 2" incoming water line by installer.

Key Features:

- High quality Stainless Steel construction.
- Can be connected to form longer sections. Standard length is 4'.
- Low water usage.
- Fits many different applications, best suited for areas where space is limited.
- 2" Connection for incoming water from the side of the box.
- Must have 100% filtered water.

Every project is different and requires unique attention. Please consult a Hobbs sales associate when selecting which weir box is appropriate for your project. The installation above is of a typical installation and thus, dimensions and other factors are subject to change.

Recommended Flow Per Foot	Recommended Flow Per 4' Box	Shipping Weight
1 - 2 Gallons, 5 - 7 Gallon max.	5 - 7 Gallons, 10-12 Gallon max.	TBD

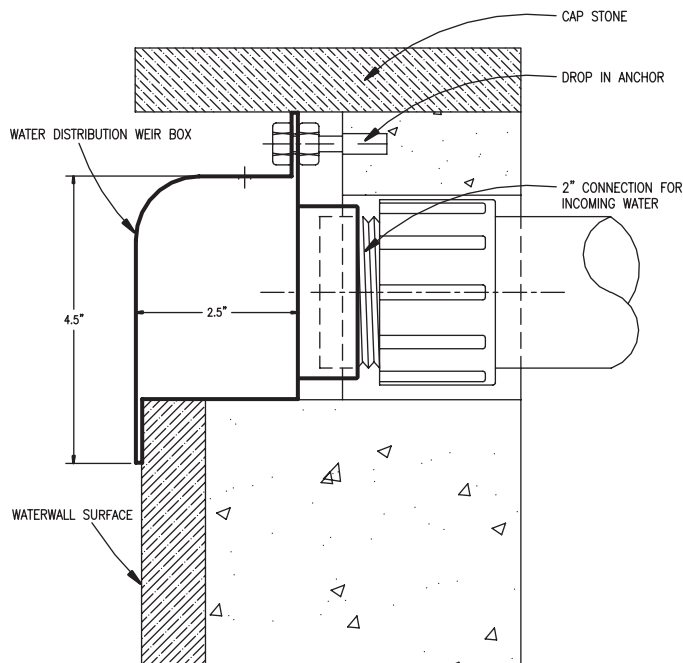


191-2S Series

Waterwall Weir Box

Function:

The **191-2S Series Water Wall Weir Boxes** are versatile and rugged in their design. The box discharges water evenly over a water wall of almost any length. Due to it's unique design, the Weir Boxes use very little water to create a classic effect.



Accessories shown in drawing: 2" Male Adapter with 2" incoming water line by installer.

Key Features:

- High quality Stainless Steel construction.
- Can be connected to form longer sections. Standard length is 4'.
- Low water usage.
- Fits many different applications, best suited for areas where space is limited.
- 2" Connection for incoming water from the side of the box.
- Must have 100% filtered water.

Every project is different and requires unique attention. Please consult a Hobbs sales associate when selecting which weir box is appropriate for your project. The installation above is of a typical installation and thus, dimensions and other factors are subject to change.

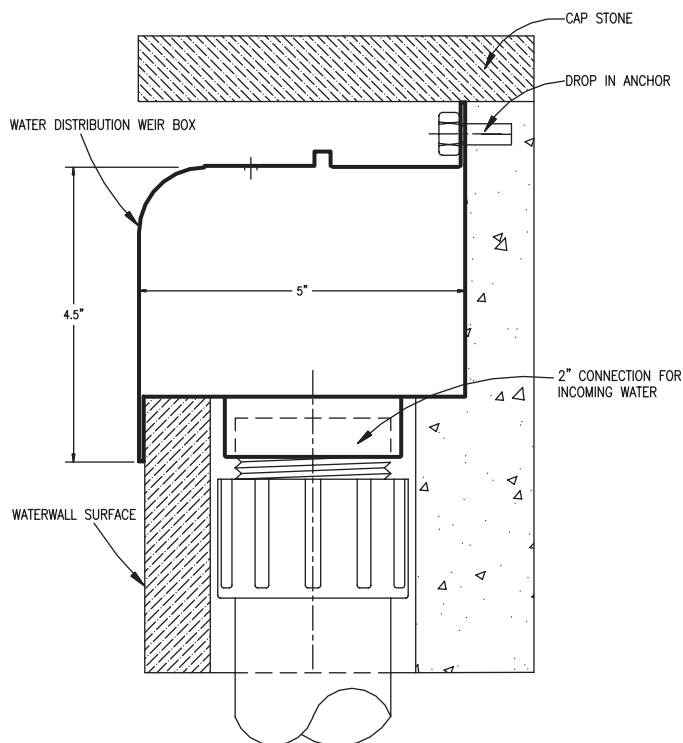
Recommended Flow Per Foot	Recommended Flow Per 4' Box	Shipping Weight
1 - 2 Gallons, 5 - 7 Gallon max.	5 - 7 Gallons, 10-12 Gallon max.	TBD



191-2B Series Waterwall Weir Box

Function:

The **191-2B Series Water Wall Weir Boxes** are versatile and rugged in their design. The box discharges water evenly over a water wall of almost any length. Due to it's unique design, the Weir Boxes use very little water to create a classic effect.



Accessories shown in drawing: 2" Male Adapter with 2" incoming water line by installer.

Key Features:

- High quality Stainless Steel construction.
- Can be connected to form longer sections. Standard length is 4'.
- Low water usage.
- Fits many different applications, best suited for areas where space is limited.
- 2" Connection for incoming water from the bottom of the box.
- Must have 100% filtered water.

Every project is different and requires unique attention. Please consult a Hobbs sales associate when selecting which weir box is appropriate for your project. The installation above is of a typical installation and thus, dimensions and other factors are subject to change.

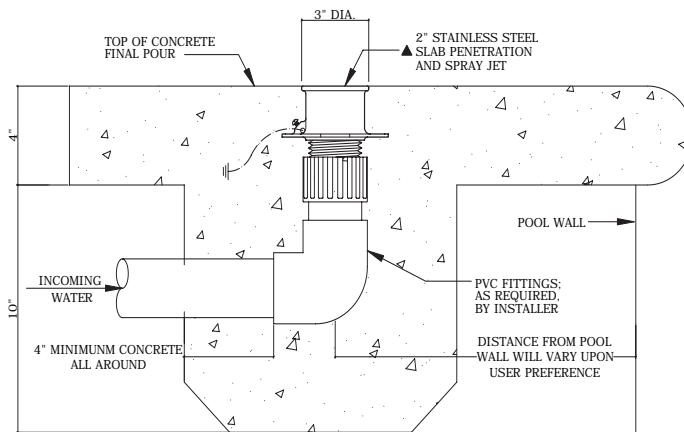
Recommended Flow Per Foot	Recommended Flow Per 4' Box	Shipping Weight
1 - 2 Gallons, 5 - 7 Gallon max.	5 - 7 Gallons, 10-12 Gallon max.	TBD



Function:

The 195 Series Pool Deck Jets are specially designed for flush mount installation around a pool's edge. The interchangeable inserts allow you to update the spray effect as desired. Available in a single jet, or double jet spray pattern these are sure to add a little something extra to your back yard.

When multiple jets are used, we can provide a manifold type set up which allows for an easier installation and a single connection point to incoming water.



195 Series

Pool Deck Jets

#195-1: (1) 1/4" orifice single arching jet and slab penetration.

#195-2: (1) 1/4" orifice double arching jet and slab penetration.

Key Features:

- Stainless steel and PVC construction
- Interchangeable jets for different spray effects
- Deck mounted
- No pinch points or sharp edges protect feet
- Custom colors or materials available upon request and at an additional cost

Model	Order #
195-1	290-29202
195-2	290-29209

See 141-2525 Series Clearstream Jet for flow calculations.



Custom

Custom Impulse Jet

Function:

The Impulse Jet produces a 1/2" diameter, clear, non-turbulent stream of water. Through proper setting and modification of the various controls and valves, the jet can be made to issue from the jet assembly intermittently as an arced, rod-like segment. The visual quality of the stream approaches that of a "living" rod of clear plastic or glass. The length of stream segment, the frequency with which it issues, and the direction and angle of trajectory are all adjustable.

Design Considerations:

The Impulse Jet is normally provided as part of an integrated package, consisting of one or more jet assemblies, a splashdown-control mat assembly, a pump/filter assembly, and a programmed electronic control system. These various assemblies are designed and produced to fit the specified requirements of the individual fountain project.

Typically, two or more jet assemblies are installed, each in it's own basin or area, then covered with an open-weave mat assembly to hide the "hardware" from view and provide an opening from which the stream emerges, thereby creating a surface on which incoming streams of water can land with practically no splash or noise. The stream lengths and programming cycles are normally set such that the resulting visual effect is of a single stream segment of water "bouncing" from one basin to the next in a closed loop.

There are two basic approaches to designing an integrated Impulse Jet fountain system package. One is to use the basic jet assembly with a remote, "dry" pump/filter PAK (#600-Series Pumping Station or #700-Series Pumping Pad Assembly). The other is to use the submersible pump/filter/jet assembly.

Please contact one of our designers for more information on this unique water feature.

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Custom

Custom Picture
Show

Function:

The Picture Show water feature is designed to generate a large, high-quality screen of water for night-time presentation of projected slides, films, or laser images to large gatherings.

Design Considerations:

This patented jet assembly produces a screen, with a nominal height of 25' and width of 50'. The unit is adjustable to allow creation of up to 5 feet of concave displacement at the center to compensate for normal distortion of images projected onto a flat screen. Concave displacement also facilitates single or multiple point projection sources.

The Projection Screen system can be equipped to produce other water features in addition to, or instead of, the screen in order to create an effective visual display during daylight operation.

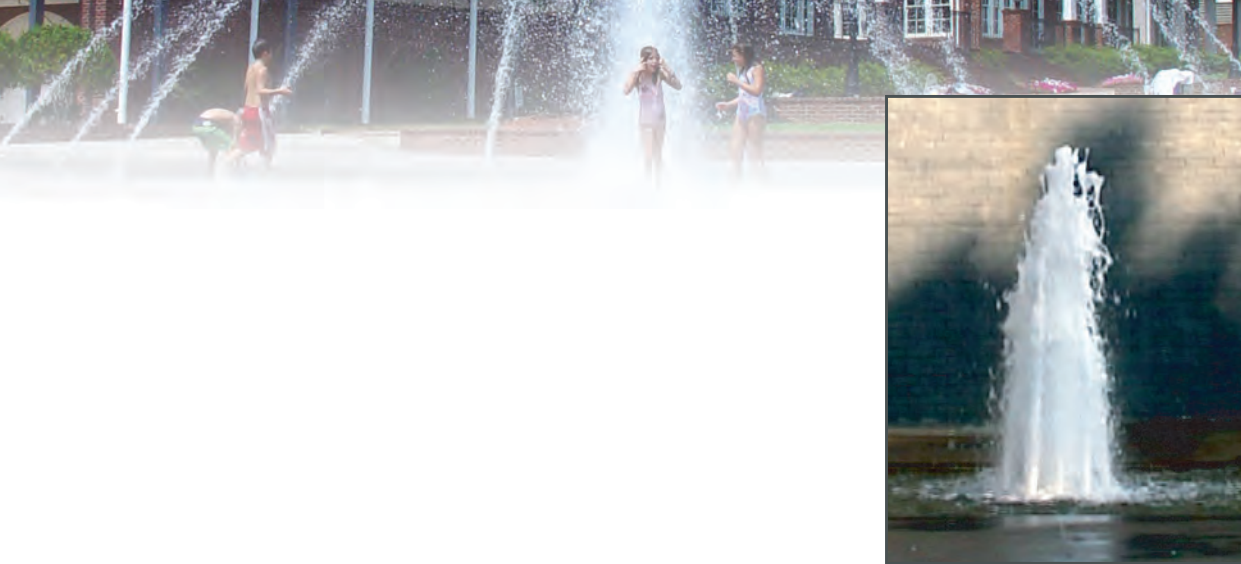
The electronic system controls can be housed in a direct burial vault (#600 Series Pump Station) adjacent to the lake or reservoir, or in an equipment room designed to house projection equipment. The pumping system incorporates a 20 horsepower dry or submersible pump with appropriate control valves.

The jet assembly, which has angle and height adjustability, in addition to that for concavity, is mounted either on a "permanent" structure in the body of water or on a tethered floating structure. A re-locatable package can be achieved with the use of a submersible pumping system and a floating jet assembly.

The pumping system may be interfaced with the #492-Series Wind Compensation system in order to reduce the amount of water lost from wind-blown spray, by automatically reducing the size of the screen in moderate wind conditions and cutting it off totally in high wind conditions.

Please contact one of our designers for more information on this unique water feature.

Toll Free: 1.877.426.4622
Phone: 770.457.3000
Fax: 770.457.4225
www.hobbsfountains.com



Custom

Custom Pods

Function:

Custom Pods feature natural finish, cast bronze chambers. They are custom-machined and custom-fabricated to accept multiples and combinations of our standard jets. This allows the designer to achieve an impressive, unique spray effect not possible with the use of a single jet.



Design Considerations:

These custom pods are designed to meet one-of-a-kind water effect and support equipment requirements. The basic design of each pod is a shallow, cylinder-shaped, single-chamber, outward-lipped body with lid and neoprene rubber gasket, secured with stainless steel fasteners. Typically, each pod has a single, centered bottom inlet and outlets or discharges in the lid; however, the vertical sides of the body can be fabricated with openings to serve as inlets or outlets. The pods are designed for maximum inlet pressure of 50 psi (115 feet of head); special construction and reinforcement can be done to increase the pressure capability to 100 psi.

Please contact one of our designers for assistance creating the Custom Pod Assembly which meets your fountain's requirements.

Toll Free: 1.877.426.4622
 Phone: 770.457.3000
 Fax: 770.457.4225
www.hobbsfountains.com



Custom

Custom Rippler

Function:

Custom Rippler Bars produce a “rippling” effect on the surface of the water. They are excellent in quiet, intimate settings where understatement is of the essence.

Located approximately three inches beneath the surface, a series of small bore, adjustable Clearstream Jets are mounted on a copper tube to your specification. These jets agitate the water and create a current or ripple action on the surface.

Underwater lighting provides breathtaking patterns on surrounding surfaces; dancing and shimmering with the action of the water. Ripplers have also been used for special effects, such as to create the illusion of motion or in an aquatic garden when a current is essential but splash and noise is not desired.

Design Considerations:

The Rippler Effect can be custom-made to fit any application. Typically used are 3/16” orifice jets, spaced 6” apart at 2 GPM per jet. The copper tubing on which the jets are mounted can be shaped in any configuration to fit your needs. The copper tubing can be substituted with brass pipe, stainless steel pipe, or pvc pipe.

Contact one of our designers for tubing sizes, inlet locations and details of design and installation.

229 Series Anti-Vortex / Strainer Plate	2-2	
230 Series Anti-Vortex Plate	2-4	
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200 Series

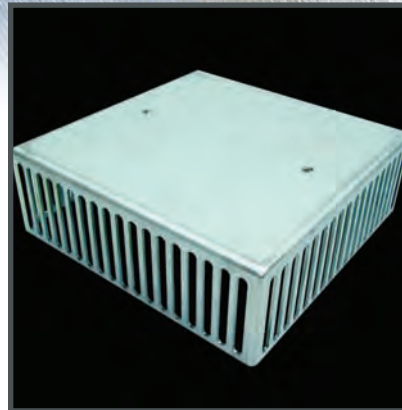
In-Slab Pool Fittings

The **200 Series In-Slab Pool Fittings** are cast into the concrete slab during installation of the pool. Although often overlooked, or purposely hidden for aesthetic reasons, 200 Series In-Slab Pool Fittings are an essential part of any fountain by providing access for water level control, water circulation, pool cleaning, and many other functions.

Like our 100 Series Spray Effects, 200 Series In-Slab Pool Fittings are made from high-quality, non-corrosive materials such as bronze, stainless steel, PVC, and copper, ensuring a long life for your fountain.

Function:

The **229 Series Stainless Steel Anti-Vortex / Strainer Plates** can be used for suction or discharge with a variety of in-ground fittings. The plate works as a filter to catch debris before it gets to the pumping system.



229 Series

Anti-Vortex / Strainer Plate

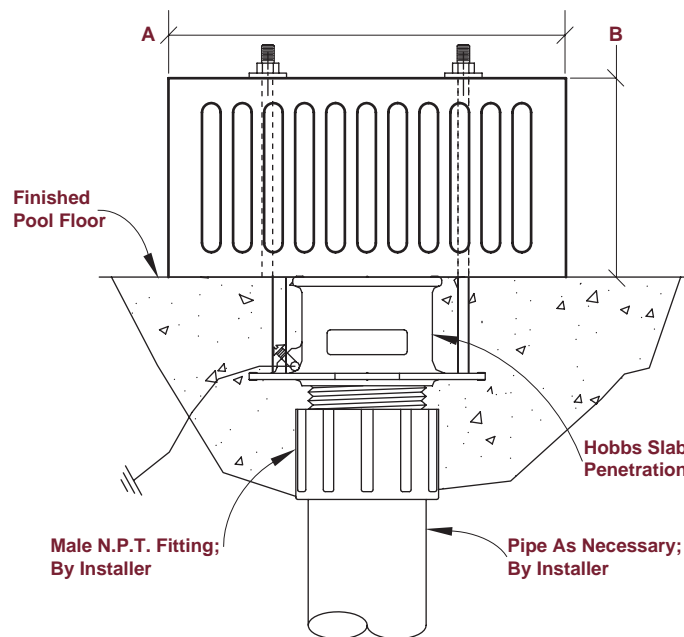
#229-0604 Stainless Steel
A/V- Diverter Plate: 6x6x4"

#229-0804 Stainless Steel
AV- Diverter Plate: 8x8x4"

#229-1204 Stainless Steel
AV- Diverter Plate: 12x12x4"

#229-1604 Stainless Steel
AV- Diverter Plate: 16x16x4"

**RECOMMENDED PAIRING
WITH HOBBS 276 SERIES
SLAB PENETRATIONS**



Key Features:

- Constructed of high quality, stainless steel.
- Secured to pool floor with stainless steel drop-in anchor bolts.
- Clears large debris from system.
- Perfect for tight spaces.

Model	Order # 220-	Description	A	B	Shipping Weight
229-0602-K1	24000	S.S. Anti- Vortex Strainer Kit #1	6" x 6"	2"	TBD
229-0602-K2	24001	S.S Anti- Vortex Strainer Kit #2 Inslab	6" x 6"	2"	TBD
229-0604-K1	24002	S.S. Anti- Vortex Strainer Kit #1	6" x 6"	4"	TBD
229-0604-K2	24003	S.S Anti- Vortex Strainer Kit #2 Inslab	6" x 6"	4"	TBD
229-0802-K1	24004	S.S. Anti- Vortex Strainer Kit #1	8" x 8"	2"	TBD
229-0802-K2	24005	S.S Anti- Vortex Strainer Kit #2 Inslab	8" x 8"	2"	TBD
229-0804-K1	24006	S.S. Anti- Vortex Strainer Kit #1	8" x 8"	4"	TBD
229-0804-K2	24007	S.S Anti- Vortex Strainer Kit #2 Inslab	8" x 8"	4"	TBD
229-1202-K1	24008	S.S. Anti- Vortex Strainer Kit #1	12" x 12"	2"	TBD
229-1202-K2	24009	S.S Anti- Vortex Strainer Kit #2 Inslab	12" x 12"	2"	TBD
229-1204-K1	24010	S.S. Anti- Vortex Strainer Kit #1	12" x 12"	4"	TBD
229-1204-K2	24011	S.S Anti- Vortex Strainer Kit #2 Inslab	12" x 12"	4"	TBD
229-1602-K1	24012	S.S. Anti- Vortex Strainer Kit #1	16" x 16"	2"	TBD
229-1602-K2	24013	S.S Anti- Vortex Strainer Kit #2 Inslab	16" x 16"	2"	TBD
229-1604-K1	24014	S.S. Anti- Vortex Strainer Kit #1	16" x 16"	4"	TBD
229-1604-K2	24015	S.S Anti- Vortex Strainer Kit #2 Inslab	16" x 16"	4"	TBD

#1 Kits DO NOT include slab penetrations.

Toll Free: 1.877.426.4622
Phone: 770.457.3000
Fax: 770.457.4225
www.hobbsfountains.com

229-1 Series

Anti-Vortex / Strainer Box

Function:

The **229-1 Series Stainless Steel Anti-Vortex / Strainer Boxes** can be used for suction or discharge with a variety of in-ground fittings. The box works as a filter to catch debris before it gets to the pumping system.

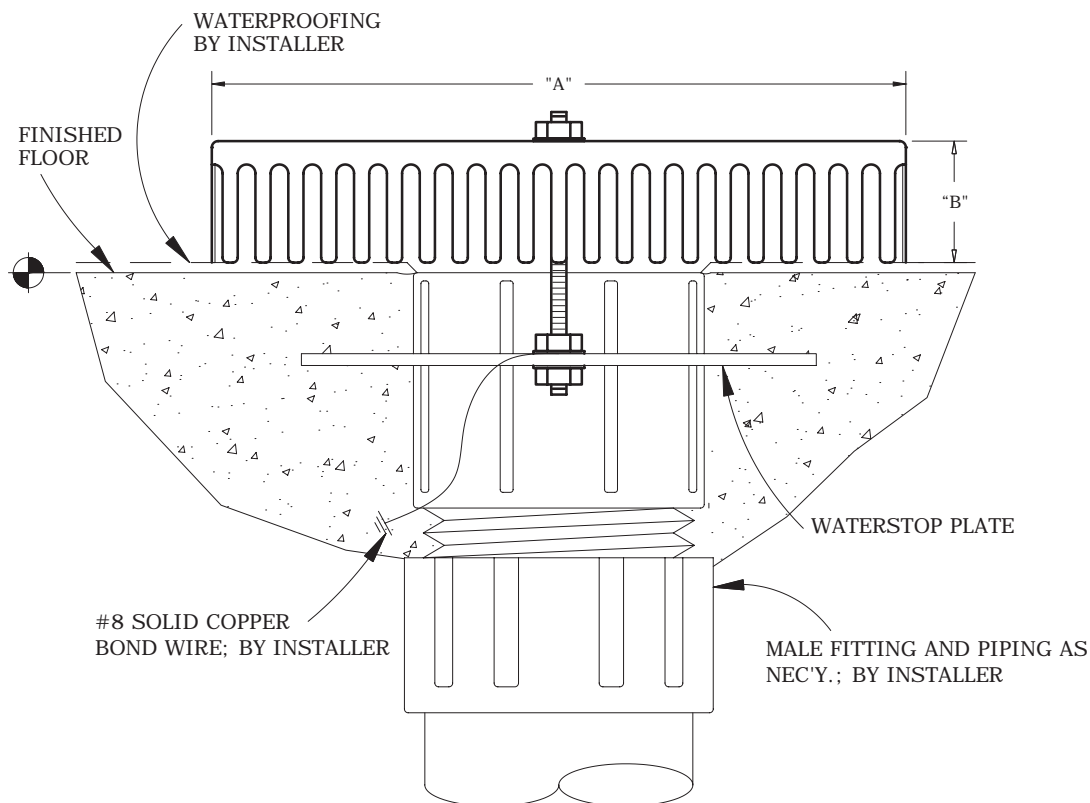
Key Features:

- Constructed of high quality, stainless steel.
- Secured to pool floor with stainless steel drop-in anchor bolts or mounted directly to the concrete slab penetration.
- Prevents large debris from entering the pumping and filter system.

#229-1-95 Stainless Steel A/V- Strainer Box: 9.5 x 9.5 x 3"

#229-1-17 Stainless Steel AV- Strainer Box: 17 x 17 x 3"

RECOMMENDED PAIRING WITH HOBBS 275 or 276 SERIES SLAB PENETRATIONS



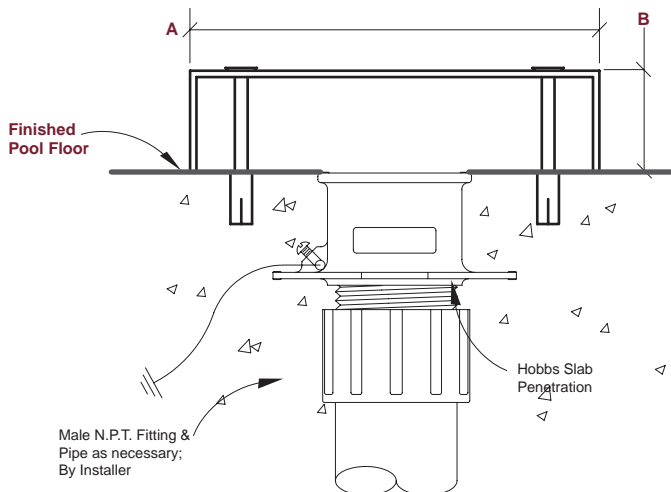
Model	Order # 240-	Description	A	B	Shipping Weight
229-1-95-K1	24737	S.S. Anti- Vortex Strainer Kit #1	9.5" x 9.5"	3"	TBD
229-1-95-K2	24738	S.S Anti- Vortex Strainer Kit #2 Inslab	9.5" x 9.5"	3"	TBD
229-1-17-K1	24741	S.S. Anti- Vortex Strainer Kit #1	17" x 17"	3"	TBD
229-1-17-K2	24742	S.S Anti- Vortex Strainer Kit #2 Inslab	17' x 17"	3"	TBD

#1 Kits DO NOT include slab penetrations.

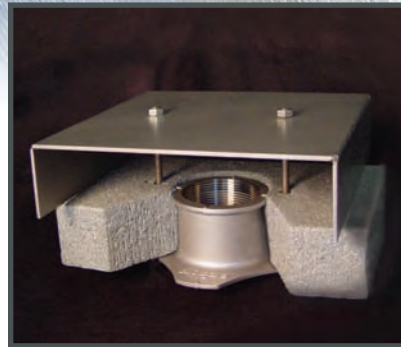
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Phone: 770.457.3000
Fax: 770.457.4225
www.hobbsfountains.com

Function:

The **230 Series Stainless Steel Anti-Vortex/Diverter Plates** can be used for suction or discharge with a variety of in-ground fittings. It is ideal for applications where directional flow is desired. 276 Series Slab Penetration sold separately for #1 kits.



Typical Drop-In anchor installation.



Key Features:

- Constructed of high quality, stainless steel.
- Kit #1 - Secured to pool floor with stainless steel drop-in anchors and bolts.
- Kit #2 - Secured to pool floor with the use of 275 & 276 Series Slab Penetration.
- Perfect for tight spaces.

Model	Order #	Description	A	B	Shipping Weight
230-0603-K1	220-22062	S.S. Anti-Vortex Plate Kit #1	6" x 3"	2"	TBD
230-0603-K2	220-22063	S.S. Anti-Vortex Plate Kit #2 - 1.5" in slab	6" x 3"	2"	TBD
230-0604-K1	220-22064	S.S. Anti-Vortex Plate Kit #1	6" x 4"	2"	TBD
230-0604-K2	220-22065	S.S. Anti-Vortex Plate Kit #2 - 1.5" in slab	6" x 4"	2"	TBD
230-0606-K1	220-22066	S.S. Anti-Vortex Plate Kit #1	6" x 6"	2"	TBD
230-0606-K2	220-22067	S.S. Anti-Vortex Plate Kit #2 - 1.5" in slab	6" x 6"	2"	TBD
230-0806-K1	220-22068	S.S. Anti-Vortex Plate Kit #1	8" x 6"	2"	TBD
230-0806-K2	220-22069	S.S. Anti-Vortex Plate Kit #2 - 2" in slab	8" x 6"	2"	TBD
230-0882-K1	220-22070	S.S. Anti-Vortex Plate Kit #1	8" x 8"	2"	TBD
230-0882-K2	220-22071	S.S. Anti-Vortex Plate Kit #2 - 2" in slab	8" x 8"	2"	TBD
230-0884-K1	220-22072	S.S. Anti-Vortex Plate Kit #1	8" x 8"	4"	TBD
230-0884-K2	220-22073	S.S. Anti-Vortex Plate Kit #2 - 2" in slab	8" x 8"	4"	TBD
230-0908-K1	220-22074	S.S. Anti-Vortex Plate Kit #1	9" x 8"	4"	TBD
230-0908-K2	220-22075	S.S. Anti-Vortex Plate Kit #2 - 2" in slab	9" x 8"	4"	TBD
230-1008-K1	220-22076	S.S. Anti-Vortex Plate Kit #1	10" x 8"	4"	TBD
230-1008-K2	220-22077	S.S. Anti-Vortex Plate Kit #2 - 3" in slab	10" x 8"	4"	TBD
230-1010-K1	220-22078	S.S. Anti-Vortex Plate Kit #1	10" x 10"	4"	TBD
230-1010-K2	220-22079	S.S. Anti-Vortex Plate Kit #2 - 3" in slab	10" x 10"	4"	TBD
230-1212-K1	220-22080	S.S. Anti-Vortex Plate Kit #1	12" x 12"	4"	TBD
230-1212-K2	220-22081	S.S. Anti-Vortex Plate Kit #2 - 4" in slab	12" x 12"	4"	TBD
230-1218-K1	220-22082	S.S. Anti-Vortex Plate Kit #1	12" x 18"	4"	TBD
230-1218-K2	220-22083	S.S. Anti-Vortex Plate Kit #2 - 4" in slab	12" x 18"	4"	TBD
230-2424-K1	220-22084	S.S. Anti-Vortex Plate Kit #1	24" x 24"	4"	TBD
230-2424-K2	220-22085	S.S. Anti-Vortex Plate Kit #2 - 4" in slab	24" x 24"	4"	TBD

#1 Kits DO NOT include slab penetrations.

230 Series

Anti-Vortex Plate

6x3x2" Stainless Steel A/V-Diverter Plate only:
220-22018

6x4x2" Stainless Steel A/V-Diverter Plate only:
220-22019

6x6x2" Stainless Steel A/V-Diverter Plate only:
220-22020

8x6x2" Stainless Steel A/V-Diverter Plate only:
220-22021

8x8x2" Stainless Steel A/V-Diverter Plate only:
220-22022

8x8x4" Stainless Steel A/V-Diverter Plate only:
220-22023

9x8x4" Stainless Steel A/V-Diverter Plate only:
220-22024

10x8x4" Stainless Steel A/V-Diverter Plate only:
220-22025

10x10x4" Stainless Steel A/V-Diverter Plate only:
220-22026

12x12x4" Stainless Steel A/V-Diverter Plate only:
220-22027

12x18x4" Stainless Steel A/V-Diverter Plate only:
220-22028

24x24x4" Stainless Steel A/V-Diverter Plate only:
220-22029

**RECOMMENDED
PAIRING WITH HOBBS
275 & 276 SERIES SLAB
PENETRATIONS**

Toll Free: 1.877.426.4622
Phone: 770.457.3000
Fax: 770.457.4225
www.hobbsfountains.com

Function:

The **231 Series Sump** is our smallest sump and is installed flush in the pool floor. The fitting can serve a number of functions, but is typically used in one of the following ways:

1. Suction Sump - When used as a suction sump, the fitting prevents vortexing by forcing water to circulate across the pool floor. Vortexing allows air to enter the suction line, eventually shortening the pump life. Also, the improved water circulation caused by the sump helps keep the pool floor clean. The maximum designed flow rate when used as a suction sump is 60 GPM with a 16" water level.

2. Ballast Fitting - The fitting may be used as a ballast fitting for waterfalls, or as a dump line in fountains with our 492-Series Wind Compensation System. The maximum flow rate when used as a ballast fitting or dump line is 70 GPM with a 16" water level.

3. Equalizer Fitting - The fitting may be used as an equalizer between small pools with equal water levels. The maximum flow rate when used as an equalizer fitting is 20 GPM.

4. Pool Drain - As a second function to any of the above, the fitting can function as a small capacity (20 GPM) pool drain.



231 Series

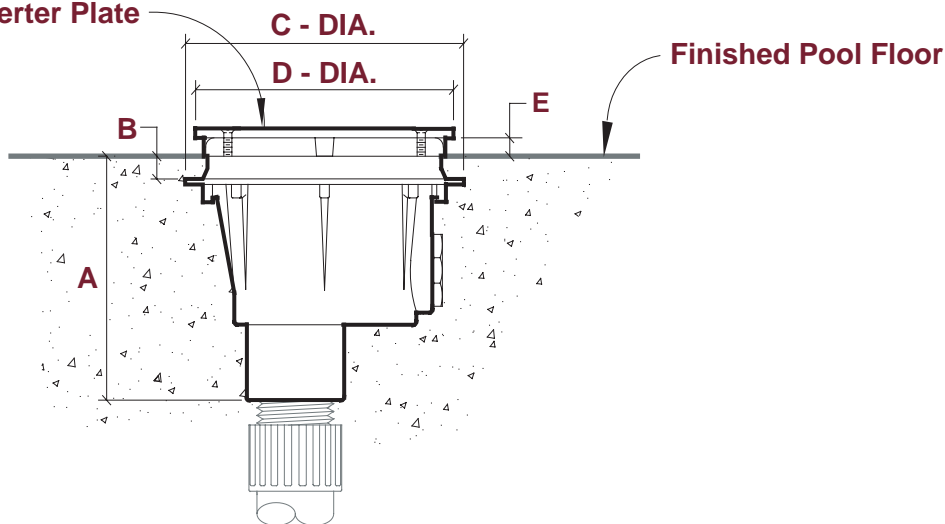
Sump

#231-221 Series Sump:
8" diameter; 2" female NPT bottom and side connections; one 2" plug.

Key Features:

- Sump is injection molded, white cyclolac plastic with integral waterstop flange.
- Diverter plate is natural finish brass, and attaches with two brass screws.
- 2" female NPT bottom and side connections for versatility.
- Pipe connections are double tapered to provide leak-free joints from the inside, as well as the outside.

Brass Diverter Plate



Model	Order #	Description	A	B	C	D	E	Shipping Weight
231-221	240-24022	8" Diameter sump with brass diverter plate.	6-11/16"	5/8"	8-5/8"	8"	1/2"	7.0 lbs.

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Function:

The **236 Series Sump** is our largest sump and is installed flush in the pool floor. The sump can serve a number of functions, but is typically used in one of the following ways:

1. Suction Sump - When used as a suction sump, the fitting prevents vortexing by forcing water to circulate across the pool floor. Vortexing allows air to enter the suction line, eventually shortening the pump life. Also, the improved water circulation caused by the sump helps keep the pool floor clean.

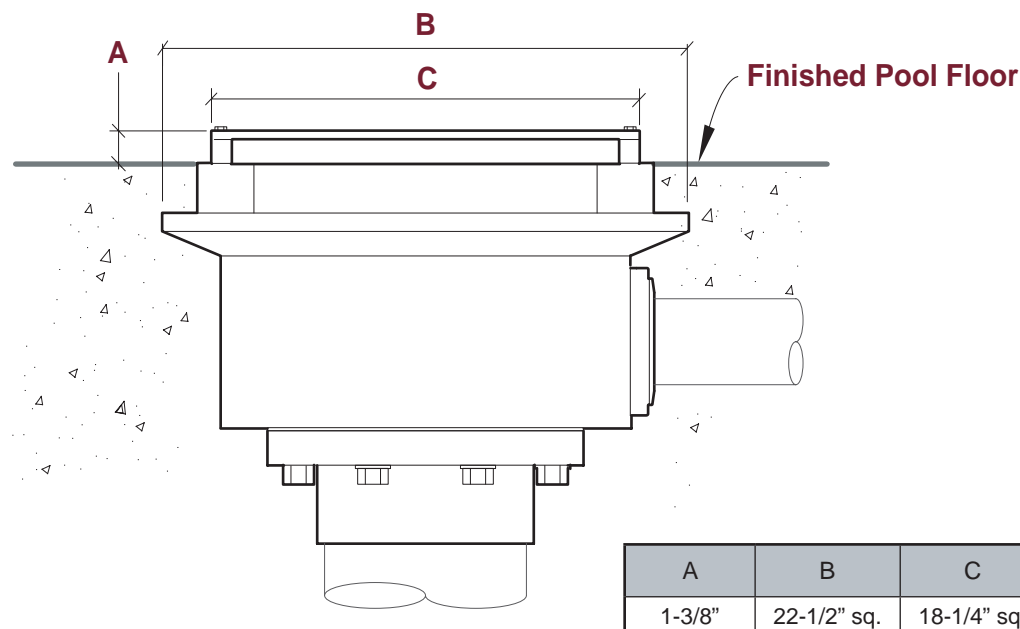
2. Ballast Fitting - The sump may be used as a ballast fitting for waterfalls, or as a dump line in fountains with our 492-Series Wind Compensation System.

3. Equalizer Fitting - The sump may be used as an equalizer between pools with equal water levels.



Key Features:

- Body is roto-molded black polyethylene and includes integral waterstop flange.
- Body includes two formed-in 1/4"-20 female thread brass inserts on top surface for attachment of anti-vortex/diverter plate.
- Diverter plate is cast bronze with lip allowing installation of thin-set tile.



Model	Order # 240-	Model	Order # 240-	Model	Order # 240-	Model	Order # 240-	Shipping Weight
236-105	24560	236-140	24566	236-160	24572	236-180	24578	4.0 - 8.0 lbs
236-130	24561	236-141	24567	236-161	24573	236-181	24579	
236-131	24562	236-142	24568	236-162	24574	236-182	24580	
236-132	24563	236-143	24569	236-163	24575	236-183	24581	
236-133	24564	236-144	24570	236-164	24576	236-185	24521	
236-135	24565	236-145	24571	236-165	24577			

236 Series

Sump

#236-105 Sump: Side 3" PVC connection.

#236-130 Sump: Bottom 3" PVC connection.

#236-131 Sump: Bottom 3" & Side 2" PVC connections.

#236-132 Sump: Bottom 2" & 3" PVC connections.

#236-133 Sump: Two Bottom 3" PVC connections.

#236-135 Sump: Bottom 3" & Side 3" PVC connections.

#236-140 Sump: Bottom 4" PVC connections.

#236-141 Sump: Bottom 4" & Side 2" PVC connections.

#236-142 Sump: Bottom 4" & 2" PVC connections.

#236-143 Sump: Bottom 4" & 3" PVC connections.

#236-144 Sump: Two Bottom 4" PVC connections.

#236-145 Sump: Bottom 4" & Side 3" PVC connections.

#236-160 Sump: Bottom 6" PVC connection.

#236-161 Sump: Bottom 6" & Side 2" PVC connections.

#236-162 Sump: Bottom 6" & 2" PVC connections.

#236-163 Sump: Bottom 6" & 3" PVC connections.

#236-164 Sump: Bottom 6" & 4" PVC connections.

#236-165 Sump: Bottom 6" & Side 3" PVC connections.

#236-180 Sump: Bottom 8" PVC connection.

#236-181 Sump: Bottom 8" & Side 2" PVC connections.

#236-182 Sump: Bottom 8" & 2" PVC connections.

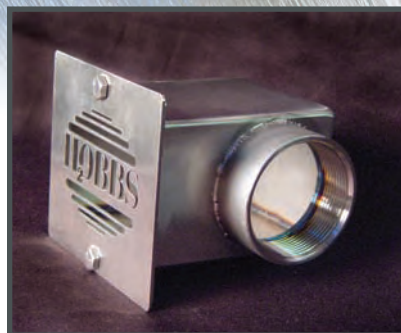
#236-183 Sump: Bottom 8" & 3" PVC connections.

#236-185 Sump: Bottom 8" & Side 3" PVC connections.

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Fax: 770.457.4225
www.hobbsfountains.com

Function:

The **254 Series Overflow** is a stainless steel cast-in-place overflow/drain that provides overflow protection for the fountain. This fitting may also be utilized as a waterfall air-relief vent or a limited capacity equalizer fitting.



254 Series

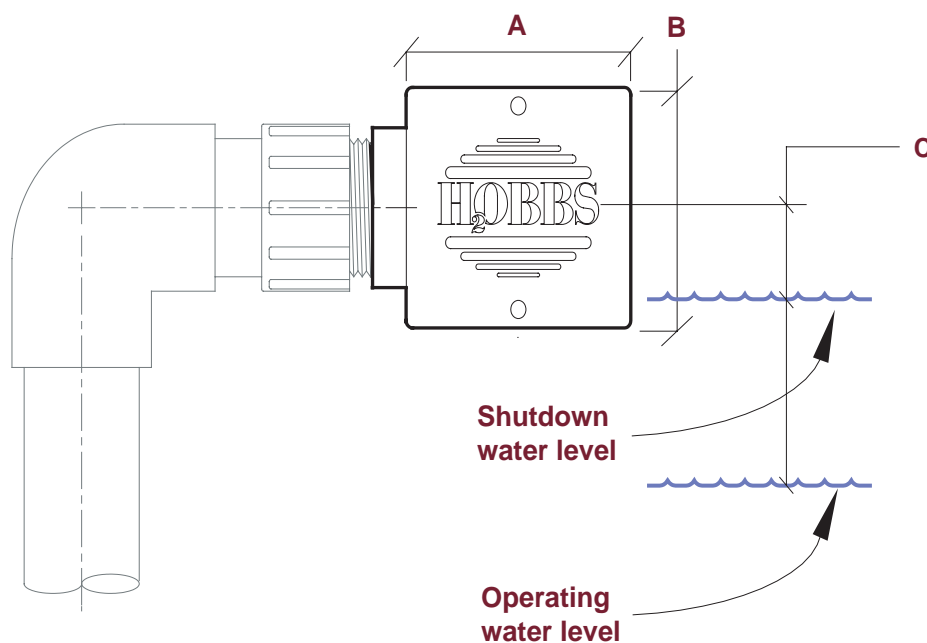
Overflow

#254-220 Overflow Fitting:
Niche mounted; non-adjustable. Stainless steel construction. 2" connection.

#254-330 Overflow Fitting:
Niche mounted; non-adjustable. Stainless steel construction. 3" connection.

Key Features:

- One fitting protects 350 sq. ft. of surface area for most fountains.
- All stainless steel construction insures the longevity of your fountain.
- 2" or 3" FNPT side connection and bonding screw.



Size	A	B	C
254-220	6-1/8"	6-3/4"	1-1/2"
254-330	6-1/8"	5-1/4"	1-1/2"

Model	Order #	Description	Shipping Weight
254-220	240-24682	2" connection	5.0 lbs
254-330	240-24681	3" connection	5.0 lbs

Function:

The **255 Series Overflow/Drain Stand Pipe** serves two functions: to provide overflow protection and to drain the fountain. As a general rule, one 2" drain for every 350 square feet or one 3" drain for every 700 square feet is required for outdoor fountains.



255 Series

Overflow/Drain

#255-132 Overflow/Drain:
2" stand pipe, 3" NPT base

#255-133 Overflow/Drain:
3" stand pipe, 3" NPT base

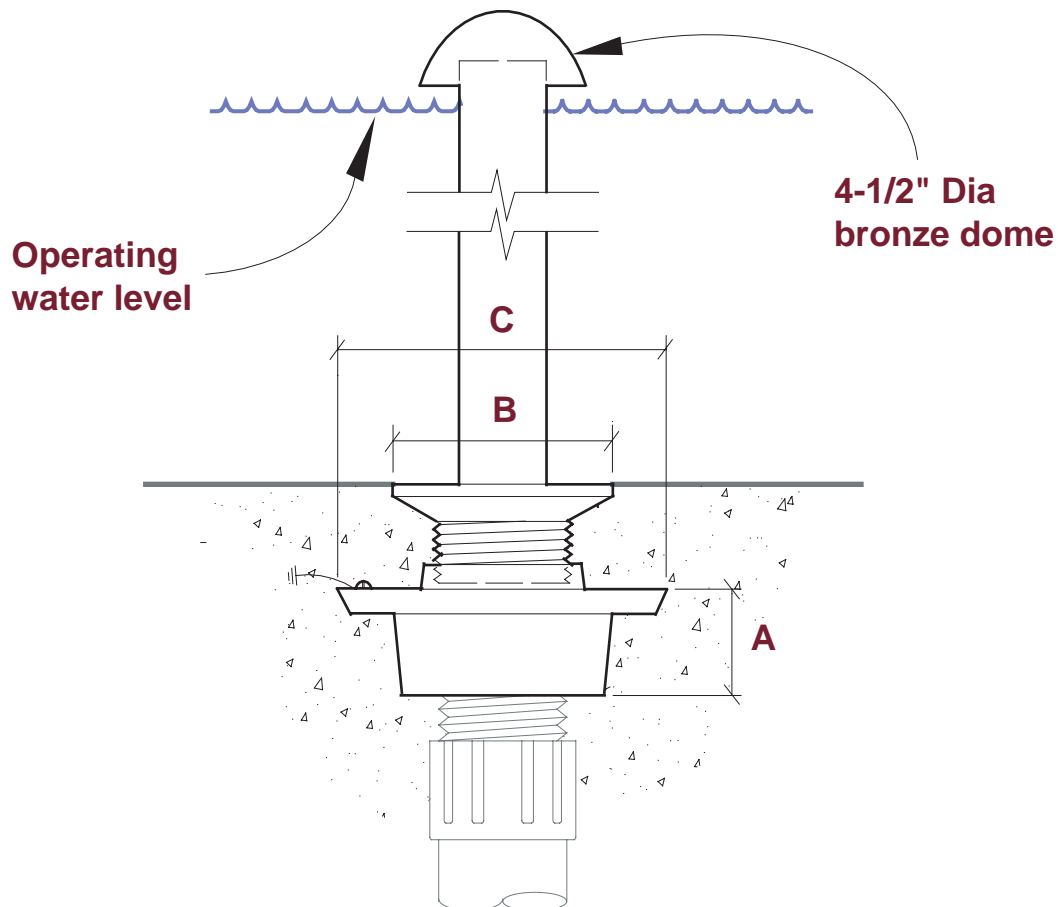
#255-142 Overflow/Drain:
2" stand pipe, 4" NPT base.

#255-143 Overflow/Drain:
3" stand pipe, 4" NPT base.

Key Features:

- Bronze body and dome; brass stand pipe.
- Sub-surface membrane clamp and neoprene o-ring included.
- Stand pipe designed for 16" water depth; custom lengths available.

Model	Order #	A	B	C	Shipping Weight
255-132	240-24076	3"	6"	9"	18.0 lbs
255-133	240-24077	3"	6"	9"	21.0 lbs
255-142	240-24078	3"	6"	9"	18.0 lbs
255-143	240-24079	3"	6"	9"	21.0 lbs



Function:

The **261 Series Vacuum Fitting** permits connection of a hose adapter, hose, and vacuum head to the filtering system to allow cleaning of the pool. The cleaning operation removes larger particles that have settled to the bottom of the pool.

Our #519-001 Maintenance Kit includes hose and vacuum accessories that work in conjunction with the 261 Series Vacuum Fitting.



Key Features:

- Cast brass, female NPT connection body with integral waterstop and bonding screw.
- Available in polished brass or chrome-plated finishes.

261 Series

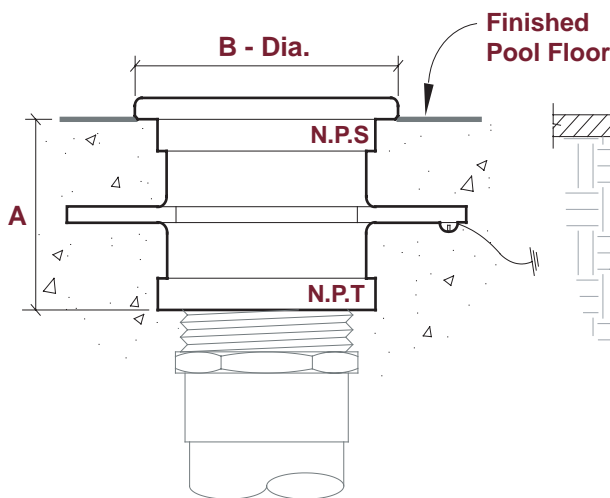
Vacuum Fitting

#261-115 Vacuum Fitting:
For poured concrete pools. 2" male NPS x 1-1/2" female NPS flanged body; 1-1/2" removable plug; 2" NPT x NPS casting body.

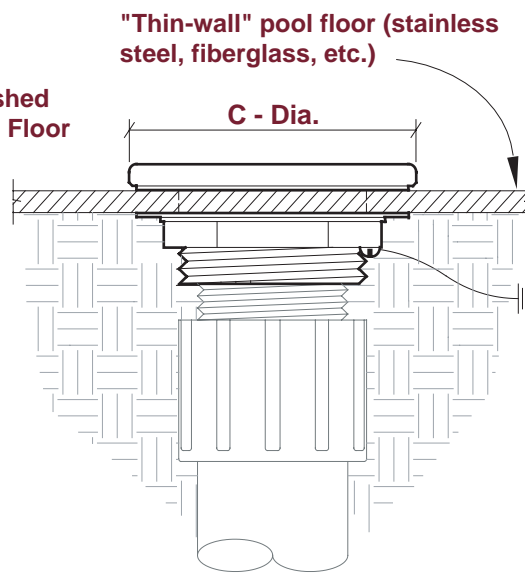
#261-215 Vacuum Fitting:
Same as #261-115, except with chrome-plated finish.

#261-315 Vacuum Fitting:
For thin-wall pools. 1-1/2" female NPS connection; 1-1/2" removable plug; 2" clamp ring and two neoprene gaskets.

#261-415 Vacuum Fitting:
Same as #261-315 except with chrome-plated finish.



#261-115 Vacuum Fitting. For poured concrete installations.



#261-315 Vacuum Fitting. For "thin-wall" installations.

Model	Order #	Description	A	B	C	Shipping Weight
261-115	240-24110	Vacuum fitting with 1-1/2" Plug.3"	2-1/4"	6"		6.0 lbs
261-215	240-24111	2" Chrome Fitting Vacuum Fitting with 1-1/2" Plug.	2-1/4"	6"		6.0 lbs
261-315	240-24112	1-1/2" Thin wall Brass Finish Vacuum Fitting with 1-1/2" Plug.			3-5/8"	3.0 lbs
261-415	240-24113	1-1/2" Thin Wall Chrome Finish Vacuum Fitting with 1-1/2" Plug.			3-5/8"	3.0 lbs
519-010	580-58110	Maintenance Kit				45.0 lbs

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Function:

The **263 Series Eyeball Return Fitting** directs the flow of return water from the filter, achieving better circulation within the pool. The fitting is installed perpendicular to the pool's surface to maximize circulation.



Key Features:

- 170 degree adjustable, 1" orifice eyeball.
- Additional orifice sizes are available upon request.
- Models available for thin-wall (fiberglass, stainless steel, brass, etc.) or poured concrete pools.
- Available in polished brass and chrome finishes.

263 Series

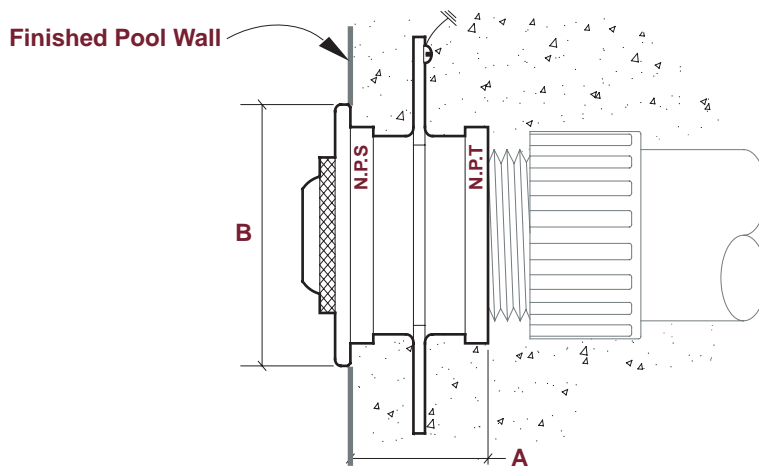
Eyeball Fitting Return

#263-110 Eyeball Return Fitting: For poured concrete pools. Natural-finish cast brass; 2" female NPT connection.

#263-210 Eyeball Return Fitting: Same as #263-110, except with chrome-plated finish.

#263-310 Eyeball Return Fitting: For thin-wall pools. Natural-finish cast brass; 1-1/2" female NPS connection; includes two sealing gaskets, and 2" NPS bronze clamp ring and bonding screw.

#263-410 Eyeball Return Fitting: Same as #263-310, except with chrome-plated finish.



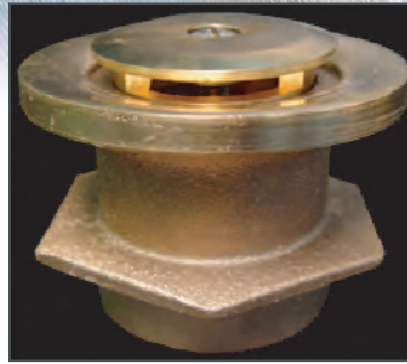
#261-115 Vacuum Fitting. For poured concrete installations. See detail on 261-Series Vacuum Fitting for typical thin-wall installation

Model	Order #	Description	A	B	Shipping Weight
263-110	240-24116	Brass Eyeball Return Fitting for Concrete Installation	2-1/4"	3-5/8"	6.0 lbs
263-210	240-24117	Chrome Finish Eyeball Return Fitting for Concrete Installations.	2-1/4"	3-5/8"	6.0 lbs
263-310	240-24118	Brass Eyeball Return Fitting for Thin-Wall Installations..	2-1/4"	n/a	3.0 lbs
263-410	240-24119	Chrome Finish Eyeball Return Fitting for Thin-Wall Installations.	2-1/4"	n/a	3.0 lbs

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Function:

The **264 Series Side Return Fitting** directs the flow of return water from the filter, achieving better circulation within the pool. It discharges water parallel to the pool's surface.



Key Features:

- Flow rate of 10 - 16 GPM.
- Cast brass, female NPT connection body with integral waterstop and bonding screw.
- O-ring sealed, vertically adjustable, brass or chrome plated deflection cap with aimable 180° discharge pattern.
- Available in polished brass and chrome finishes.

264 Series

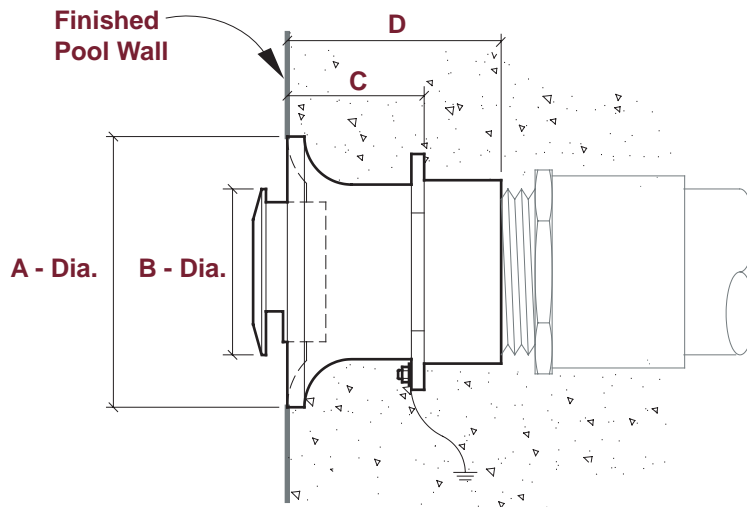
Side Return Fitting

#264-1805B Side Return Fitting: Natural-finish cast brass; 1-1/2" FNPT connection.

#264-1805C Side Return Fitting: Same as #264-4842B, except with chrome plated finish.

#264-1802B Side Return Fitting: Natural-finish cast brass; 2" FNPT connection.

#264-1802C Side Return Fitting: Same as #264-4843C, except with chrome plated finish.

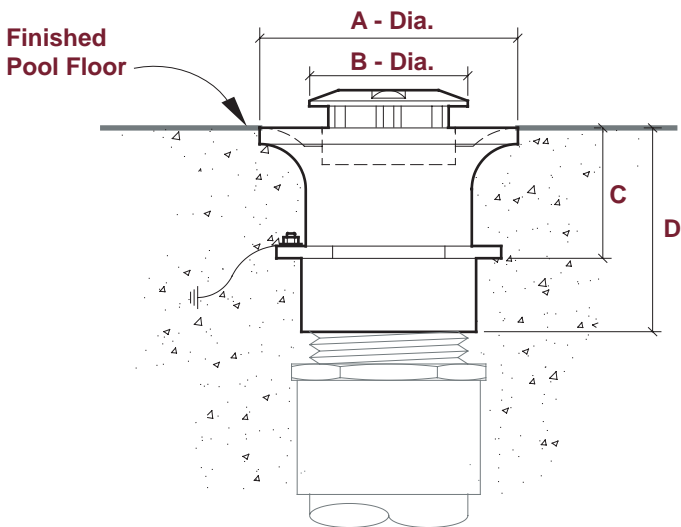


Model	Order #	Description	A	B	C	D	Shipping Weight
264-1805B	240-24743	Adjustable Inlet Fitting; Brass Finish; 1-1/2" FNPT Connection. 180 degree.	3-7/8"	2-3/8"	2"	3-1/8"	6.0 lbs
264-1805C	240-24744	Adjustable Inlet Fitting; Chrome Finish; 1-1/2" FNPT Connection. 180 degree.	3-7/8"	2-3/8"	2"	3-1/8"	6.0 lbs
264-1802B	240-24745	Adjustable Inlet Fitting; Brass Finish; 2" FNPT Connection. 180 degree.	3-7/8"	2-3/8"	2"	3-1/8"	7.0 lbs
264-1802C	240-24746	Adjustable Inlet Fitting; Chrome Finish; 2" FNPT Connection. 180 degree.	3-7/8"	2-3/8"	2"	3-1/8"	7.0 lbs

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Function:

The **265 Series Adjustable Inlet Fittings** are used when floor fittings are preferred instead of wall fittings. This fitting can be used as a return inlet with a flow rate of 35-40 GPM, in lieu of the 263- and 264-Series fittings. This fitting can also be used to drain an upper pool to a lower pool by piping to our 260-220 drain fitting in the lower pool.



Key Features:

- Maximum flow of 35 GPM for 1-1/2" models and 40 GPM for 2" models.
- Cast brass, female NPT connection body with integral waterstop and bonding screw.
- O-ring sealed, vertically adjustable, brass deflection cap with adjustable 360° discharge pattern.
- Available in polished brass and chrome finishes.

265 Series

Inlet Fitting

#265-3605B Adjustable Inlet Fitting: Natural-finish cast brass; 1-1/2" FNPT connection. Maximum flow of 35 GPM is possible for discharge applications.

#265-3605C Adjustable Inlet Fitting: Same as #264-4842ASP, except with chrome plated finish.

#265-3602B Adjustable Inlet Fitting: Natural-finish cast brass; 2" FNPT connection. Maximum flow of 40 GPM is possible for discharge applications.

#265-3602C Adjustable Inlet Fitting: Same as #265-4843BSP, except with chrome plated finish.

Model	Order #	Description	A	B	C	D	Shipping Weight
265-3605B	240-24138	Adjustable Inlet Fitting; Brass Finish; 1-1/2" F.N.P.T. Connection.	3-7/8"	2-3/8"	2"	3-1/8"	6.0 lbs
265-3605C	240-24139	Adjustable Inlet Fitting; Chrome Finish; 1-1/2" F.N.P.T. Connection.	3-7/8"	2-3/8"	2"	3-1/8"	6.0 lbs
265-3602B	240-24140	Adjustable Inlet Fitting; Brass Finish; 2" F.N.P.T. Connection.	3-7/8"	2-3/8"	2"	3-1/8"	7.0 lbs
264-3602C	240-24141	Adjustable Inlet Fitting; Chrome Finish; 2" F.N.P.T. Connection.	3-7/8"	2-3/8"	2"	3-1/8"	7.0 lbs

Function:

The **266-15 Series Admiral™ S15 Pool Skimmer** offers a variety of bases and throats for a wide variety of plumbing and construction requirements, configurations, and materials. These skimmers have an exclusive lock-down lid that can be personalized with custom logo disks. S15 skimmers are injection molded of high strength ABS and are available with flap weir or the exclusive circular weir for superior skimming action.



Key Features:

- High strength ABS body
- Selection of throat lengths
- Exclusive lock down lid
- 1-1/2" and 2" models
- Lid extension collars
- Flap weir or the exclusive circular weir
- Custom logo disk available

266-15 Series

Pool Skimmer

#266-15-010 Pool Skimmer: see chart

#266-15-020 Pool Skimmer: see chart

#266-15-030 Pool Skimmer: see chart

#266-15-150 Pool Skimmer: see chart

#266-15-110 Pool Skimmer: see chart

Model	Order #	Description	Carton Qty	Shipping Weight
S15 Skimmers for Concrete Construction				
266-15-010	240-24685	S15, circ. weir, 1-1/2", threaded	1	10.0 lbs
266-15-020	240-24686	S15, circ. weir, 2", threaded	1	10.0 lbs
266-15-030	240-24687	S15, flap weir, 1-1/2", threaded	1	10.0 lbs
S15 Skimmers for Vinyl Construction				
266-15-150	240-24688	S15, OM circ. weir, 1-1/2", threaded	1	10.0 lbs
266-15-110	240-24689	S15, OM circ. weir, 1-1/2", threaded short throat	1	10.0 lbs

For that extra personalized touch...



We can customize Admiral Skimmer Deck Lids with your professionally supplied artwork. Based on a minimum quantity of 500 lids there is a one time \$500 set-up charge for a single design. Subsequent changes are subject to additional fees.

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266-20 Series

Pool Skimmer

Function:

The **266-20 Series Admiral™ S20 Pool Skimmer** has a PVC reinforced twin port base. S20 may be purchased with equalizer for commercial applications or for when the second port is connected to the main drain. All models include the exclusive lock down lid that can be personalized with custom logo disks and are available with a flap weir or the exclusive circular weir.

Key Features:

- Reinforced PVC base
- 1-1/2" or 2" models
- Slip FIPT, 1-1/2" or 2"
- Flap weir or the exclusive circular weir
- Variety of throat lengths
- Custom logo disk available
- Easy to install



#266-20-405 Pool Skimmer: chart
 #266-20-500 Pool Skimmer: chart
 #266-20-505 Pool Skimmer: chart
 #266-20-530 Pool Skimmer: chart
 #266-20-535 Pool Skimmer: chart
 #266-20-730 Pool Skimmer: chart
 #266-20-735 Pool Skimmer: chart
 #266-20-600 Pool Skimmer: chart
 #266-20-605 Pool Skimmer: chart
 #266-20-630 Pool Skimmer: chart
 #266-20-635 Pool Skimmer: chart
 #266-20-700 Pool Skimmer: chart
 #266-20-705 Pool Skimmer: chart
 #266-20-800 Pool Skimmer: chart
 #266-20-805 Pool Skimmer: chart
 #266-20-730 Pool Skimmer: chart
 #266-20-735 Pool Skimmer: chart
 #266-20-200 Pool Skimmer: chart
 #266-20-400 Pool Skimmer: chart
 #266-20-023 Pool Skimmer: chart

Model	Order #	Description	Carton Qty	Shipping Weight
S20 Skimmers for Concrete Construction				
266-20-405	240-24690	S20, flap weir, no equalizer, 1-1/2" slip	1	10.0 lbs
266-20-500	240-24691	S20, circ. weir, equalizer, 2" threaded, FIPT	1	12.0 lbs
266-20-505	240-24692	S20, circ. weir, equalizer, 2" slip	1	12.0 lbs
266-20-530	240-24693	S20, circ. weir, equalizer, 2" threaded, beige	1	12.0 lbs
266-20-535	240-24694	S20, circ. weir, equalizer, 2" slip, beige	1	12.0 lbs
266-20-730	240-24695	S20, circ. weir, 2" threaded, beige	1	10.0 lbs
266-20-735	240-24696	S20, circ. weir, 2" slip, beige	1	10.0 lbs
266-20-600	240-24697	S20, flap weir, equalizer, 2" threaded, FIPT	1	12.0 lbs
266-20-605	240-24698	S20, flap weir, equalizer, 2" slip	1	12.0 lbs
266-20-630	240-24699	S20, flap weir, equalizer, 2" threaded, beige	1	12.0 lbs
266-20-635	240-24700	S20, flap weir, equalizer, 2" slip, beige	1	12.0 lbs
266-20-700	240-24701	S20, circ. weir, no equalizer, 2" threaded, FIPT	1	10.0 lbs
266-20-705	240-24702	S20, circ. weir, no equalizer 2" slip	1	10.0 lbs
266-20-800	240-24703	S20, flap weir, no equalizer, 2" threaded, FIPT	1	10.0 lbs
266-20-805	240-24704	S20, flap weir, no equalizer, 2" slip	1	10.0 lbs
S20 Skimmers for Vinyl Construction				
266-20-200	240-24705	S20 flap weir, equalizer, XLG std. 1-1/2" threaded	1	10.0 lbs
266-20-400	240-24706	S20L flap weir, XLG std. 1-1/2" threaded	1	10.0 lbs
S20 Skimmers for Fiberglass Pools				
266-20-023	240-24707	S20, "WEDGE", flap weir, equalizer, 2" slip	1	10.0 lbs

For that extra personalized touch...



We can customize Admiral Skimmer Deck Lids with your professionally supplied artwork. Based on a minimum quantity of 500 lids there is a one time \$500 set-up charge for a single design. Subsequent changes are subject to additional fees.

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Function:

The **268 Series Front Access Surface Skimmer** is used to remove film and debris from the fountain's water surface by drawing the water to the skimmer and collecting the debris inside a removable basket in the face of the skimmer. A flow of 10 to 30 GPM (5 GPM minimum) is required to draw the water appropriately.

The removable basket should be cleaned periodically, as determined by operating conditions. The basket can be easily removed from the front for a quick clean-up.

The trimmer plate balances the flow for optimum effectiveness with more than one skimmer.



Key Features:

- White cyclac plastic construction.
- White plastic, natural bronze, or chrome finish faceplate available.
- Front-removable basket for cleaning.

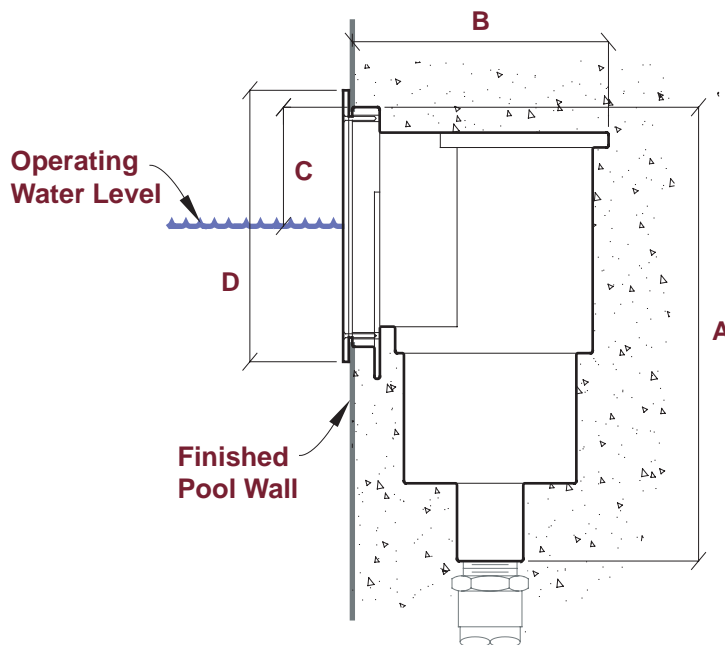
268 Series

Surface Skimmer

#268-115 Surface Skimmer: 1-1/2" F.N.P.T. connection. White cyclac plastic faceplate.

#268-116 Surface Skimmer: Same as #268-115, except with natural finish bronze faceplate.

#268-117 Surface Skimmer: Same as #268-115, except with Chrome plated bronze faceplate.



Model	Order #	Description	A	B	C	D	Shipping Weight
268-115	240-24145	Front Access Skimmer with White Cyclac Faceplate.	13-3/8"	9-1/16"	3-1/2"	8"	6.0 lbs
268-116	240-24146	Front Access Skimmer with Natural Bronze Faceplate.	13-3/8"	9-1/16"	3-1/2"	8"	7.0 lbs
268-117	240-24147	Front Access Skimmer with Chrome Plated Bronze Faceplate.	13-3/8"	9-1/16"	3-1/2"	8"	7.0 lbs

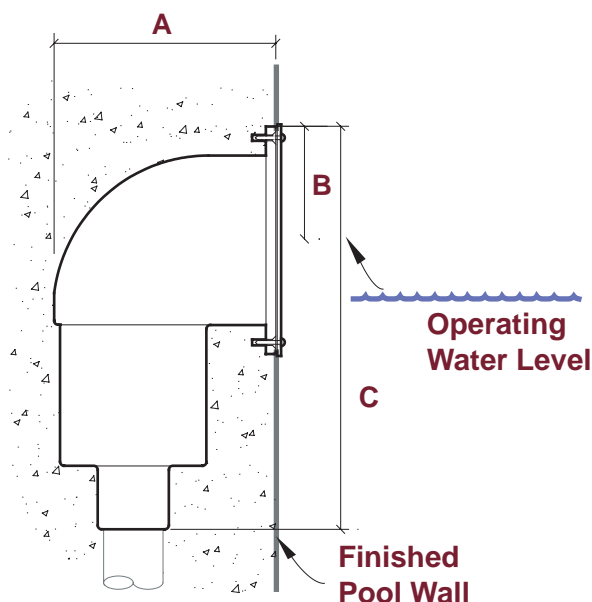
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Function:

The **269 Series Front Access Surface Skimmer** is used to remove film and debris from the fountain's water surface.

This series of skimmers is similar to the 268 Series, but is smaller and is typically used only when the pool wall is too thin for proper installation of the 268 Series. The nominal required flow is 5 to 25 GPM. The skimmer has a 1-1/2" slip PVC pipe connection.

An internal floating weir insures good suction force at the water's surface to move debris, which collects in the front-removable basket.



Key Features:

- White or black cyclac plastic construction.
- White plastic, black plastic, natural brass, or chrome finish faceplate available.
- Front-removable basket for cleaning.
- Includes: Diverter Plate, Trim Plate, Mounting Plate, Gasket, and Screws.

269 Series

Surface Skimmer

#269-112 Surface Skimmer: Black cyclac construction. Black cyclac plastic faceplate.

#269-113 Surface Skimmer: Same as #269-112, except with natural finish brass faceplate.

#269-114 Surface Skimmer: Same as #269-112, except with stainless steel faceplate.

#269-115 Surface Skimmer: White cyclac construction. White cyclac plastic faceplate.

#269-116 Surface Skimmer: Same as #269-115, except with natural finish brass faceplate.

#269-117 Surface Skimmer: Same as #269-115, except with stainless steel faceplate.

Model	Order #	Description	A	B	C	Shipping Weight
269-112	240-24724	Front Access Skimmer; Black Cyclac Construction; Black Cyclac Faceplate.	7"	3-1/2"	12-1/2"	5.0 lbs
269-113	240-24725	Front Access Skimmer; Black Cyclac Construction; Brass Faceplate.	7"	3-1/2"	12-1/2"	5.0 lbs
269-114	240-24726	Front Access Skimmer; Black Cyclac Construction; Stainless Steel Faceplate.	7"	3-1/2"	12-1/2"	5.0 lbs
269-115	240-24727	Front Access Skimmer; White Cyclac Construction; White Cyclac Faceplate.	7"	3-1/2"	12-1/2"	5.0 lbs
269-116	240-24728	Front Access Skimmer; White Cyclac Construction; Brass Faceplate.	7"	3-1/2"	12-1/2"	5.0 lbs
269-117	240-24729	Front Access Skimmer; White Cyclac Construction; Stainless Steel Faceplate.	7"	3-1/2"	12-1/2"	5.0 lbs
Replacement Parts			L	H		
	240-24732	White Cyclac Strainer Basket				.5 lbs
	240-24733	White Cyclac Weir Door				.5 lbs
	240-24734	White Cyclac Weir Door Pin				.5 lbs
	240-24735	White Cyclac Faceplate	7"	7-3/8"		.5 lbs

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270 Series

Floating Skimmer

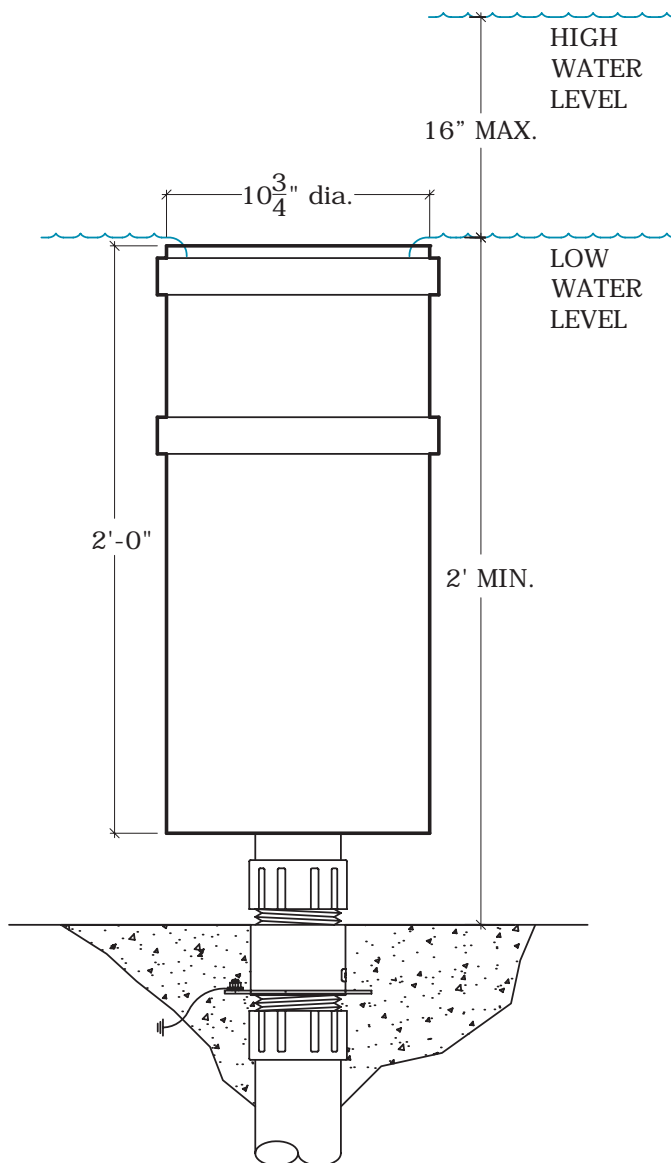
Function:

The **270 Series Floating Skimmer** has a unique design that allows it to move up and down on a suction line. Typically placed in deep, underground reservoirs, this skimmer is best suited for applications where water level changes are severe and a wall embedded unit will not work. It features a 360° weir edge allowing it to pull debris from the water's surface from all sides. The nominal required flow is 25 to 55 GPM. The skimmer requires a 3" PVC pipe connection.



Key Features:

- White PVC construction
- 16" vertical movement or multiple water depths
- 10.75" dia., 360° weir edge
- Constructed from NSF approved material



Model	Order #	Description	Shipping Weight
270-10	240-24720	10" Floating Skimmer, 3" connection	10.0 lbs

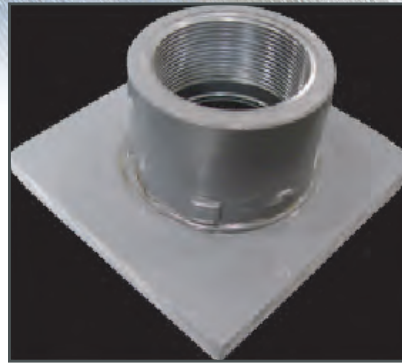
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Function:

The **272 Series PVC Slab Penetration** provides a female threaded, noncorrosive penetration through the pool floor or wall, terminating flush with the water-side surface.

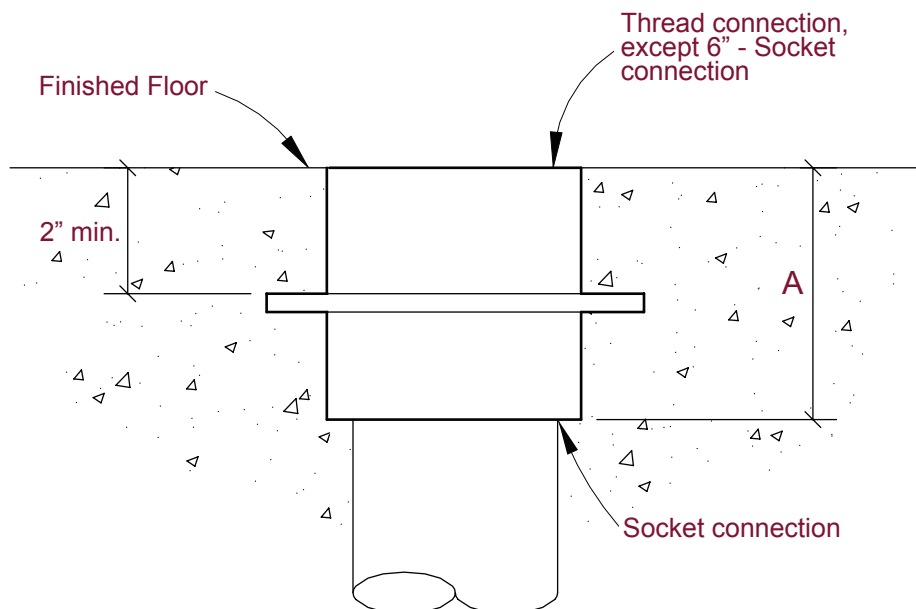
The PVC Slab Penetration has a wide range of functions at the pool end, including use as a suction or ballast point (in conjunction with various 230-series plates). The unit can also be used to install various spray effects.

Each slab penetration has a female NPT connection on one end and a socket connection on the other, except for the 6" size, which has a slip/socket connection on each end.



Key Features:

- Constructed of Sch 80 PVC.
- 1/4" thick PVC waterstop flange welded a minimum of 2" from the pool end.



272 Series

Slab Penetrations

#272-07 PVC Slab

Penetration: 3/4" female NPT x socket connections.

#272-10 PVC Slab

Penetration: 1" female NPT x socket connections.

#272-12 PVC Slab

Penetration: 1-1/4" female NPT x socket connections

#272-15 PVC Slab

Penetration: 1-1/2" female NPT x socket connections.

#272-20 PVC Slab

Penetration: 2" female NPT x socket connections

#272-25 PVC Slab

Penetration: 2-1/2" female NPT x socket connections.

#272-30 PVC Slab

Penetration: 3" female NPT x socket connections.

#272-40 PVC Slab

Penetration: 4" female NPT x socket connections.

#272-60 PVC Slab

Penetration: 6" PVC pipe socket connections.

#272-00 PVC Slab

Penetration: 10" female NPT x socket connections.

Model	Order #	Description	A	Shipping Weight
272-07	240-24211	3/4" PVC Slab Penetration, T x S	1 15/16"	0.5 lbs
272-10	240-24212	1" PVC Slab Penetration, T x S	2 3/16"	0.5 lbs
272-12	240-24213	1 1/4" PVC Slab Penetration, T x S		0.5 lbs
272-15	240-24214	1 1/2" PVC Slab Penetration, T x S		0.5 lbs
272-20	240-24215	2" PVC Slab Penetration, T x S	2 5/8"	1.0 lbs
272-25	240-24216	2 1/2" PVC Slab Penetration, T x S		1.0 lbs
272-30	240-24217	3" PVC Slab Penetration, T x S	4"	1.5 lbs
272-40	240-24218	4" PVC Slab Penetration, T x S	3 11/16"	2.0 lbs
272-60	240-24219	6" PVC Slab Penetration, S x S	6 1/4"	4.0 lbs
272-00	240-24736	10" PVC Slab Penetration, T x S	10 1/4"	6.0 lbs

Function:

The **276 Series Stainless Steel Slab Penetration** provides a female threaded, noncorrosive penetration through the pool floor or wall, terminating flush with the water-side surface.

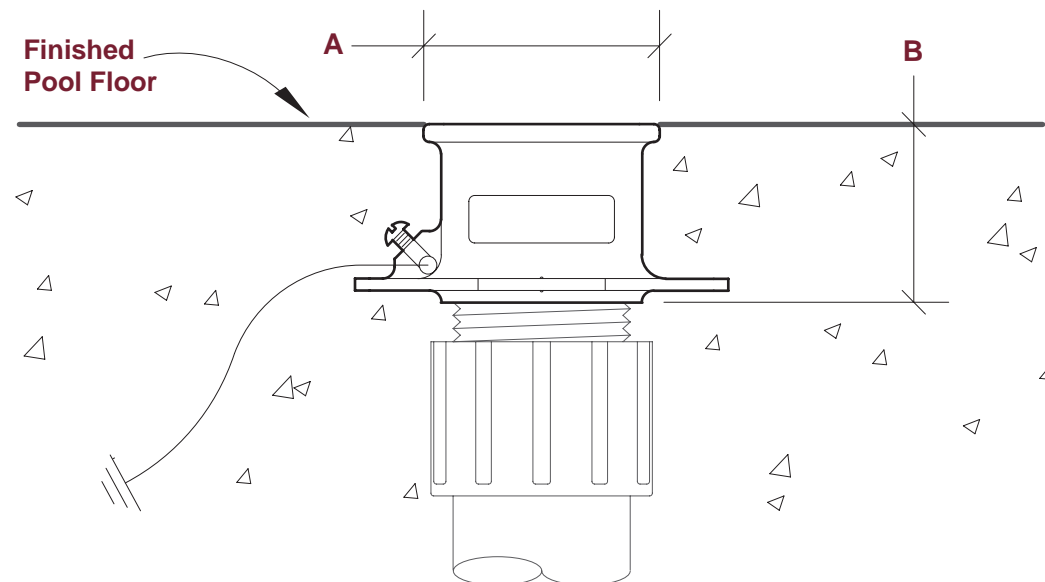
The threaded ends of the fitting allow for a wide range of piping materials to be used at the pipe connection end, and a wide range of functions at the pool end, including use as a suction or ballast point (in conjunction with various 230-Series plates), and to install various spray effects.

* Hobbs 275 Series Stainless Steel Slab Penetrations are used for 3", 4" & 6" pipe connections.



Key Features:

- Constructed of high quality stainless steel.
- Integrated waterstop flange and bonding screw.
- Includes installation aids like anchor holes and cast-in registration marks.



Model	Order #	Description	A	B	Shipping Weight
276-07	240-24380	3/4" Investment Cast, Stainless Steel, Female N.P.T. Slab Penetration.	1-7/16"	1-9/16"	7.1 oz.
276-10	240-24381	1" Investment Cast, Stainless Steel, Female N.P.T. Slab Penetration.	1-13/16"	1-11/16"	9.4 oz.
276-15	240-24382	1-1/2" Investment Cast, Stainless Steel, Female N.P.T. Slab Penetration.	2-1/2"	2-1/16"	15.8 oz.
276-20	240-24383	2" Investment Cast, Stainless Steel, Female N.P.T. Slab Penetration.	3"	2-3/16"	1 lb. 5 oz.
275-30	240-24306	3" Stainless Steel, Female N.P.T. Slab Penetration, welded assembly	3-7/8"	2-3/4"	3 lb.
275-40	240-24307	4" Stainless Steel, Female N.P.T. Slab Penetration, welded assembly	5-1/8"	3-1/4"	6 lb.
275-60	240-24664	6" Stainless Steel, Female N.P.T. Slab Penetration, welded assembly	7-1/2"	4-13/16"	8 lb.

276 Series

Slab Penetrations

#276-07 Stainless Steel Slab Penetration: 3/4" female NPT connections.

#276-10 Stainless Steel Slab Penetration: 1" female NPT connections.

#276-15 Stainless Steel Slab Penetration: 1-1/2" female NPT connections.

#276-20 Stainless Steel Slab Penetration: 2" female NPT connections.

#275-30 Stainless Steel Slab Penetration: 3" female NPT connections.

#275-40 Stainless Steel Slab Penetration: 4" female NPT connections.

#275-60 Stainless Steel Slab Penetration: 6" female NPT connections.

Function:

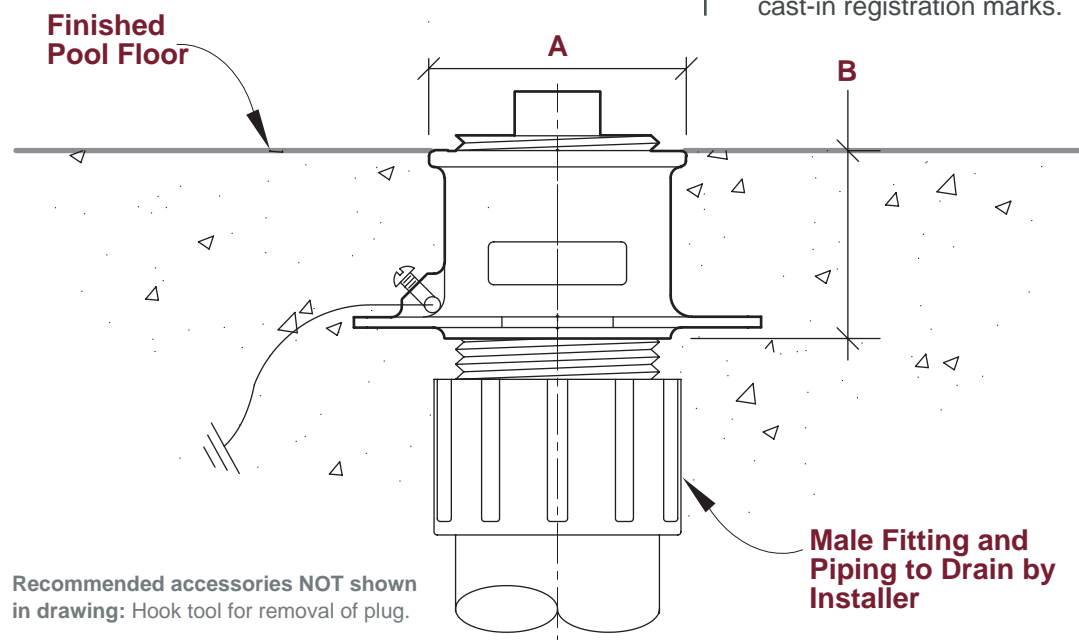
The **276 Series Stainless Steel Slab Penetration** is used in this assembly. A bronze threaded plug is fitted to the slab penetration. This plug can easily be removed to allow water to drain from a fountain pool.

* Hobbs 275 Series Stainless Steel Slab Penetrations are used for 3" and 4" pipe connections.



Key Features:

- Constructed of high quality, investment cast stainless steel and cast bronze.
- Integrated waterstop flange and bonding screw.
- Includes installation aids like anchor holes and cast-in registration marks.



276 Series

Drain Fittings

#276-071 Stainless Steel Slab Penetration with Bronze Plug: 3/4" female NPT connections.

#276-101 Stainless Steel Slab Penetration with Bronze Plug: 1" female NPT connections.

#276-151 Stainless Steel Slab Penetration with Bronze Plug: 1-1/2" female NPT connections.

#276-201 Stainless Steel Slab Penetration with Bronze Plug: 2" female NPT connections.

#275-301 Stainless Steel Slab Penetration with Bronze Plug: 2" female NPT connections.

#275-401 Stainless Steel Slab Penetration with Bronze Plug: 2" female NPT connections.

Model	Order #	Description	A	B	Shipping Weight
276-071	240-24333	3/4" S.S. Drain Fitting w/ Bronze Plug, FNPT	1-7/16"	1-9/16"	7.8 oz
276-101	240-24334	1" S.S. Drain Fitting w/ Bronze Plug, FNPT	1-13/16"	1-11/16"	10.1 oz
276-151	240-24335	1-1/2" S.S. Drain Fitting w/ Bronze Plug, FNPT	2-1/2"	1-7/8"	1 lb 5 oz
276-201	240-24336	2" S.S. Drain Fitting w/ Bronze Plug, FNPT	3"	2-3/16"	2 lb 2 oz
275-301	240-24344	3" S.S. Drain Fitting w/ Bronze Plug, FNPT	3-7/8"	2-7/8"	3 lb
275-401	240-24345	4" S.S. Drain Fitting w/ Bronze Plug, FNPT	5-1/8"	3-1/4"	6 lb

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280 Series

Center Grating

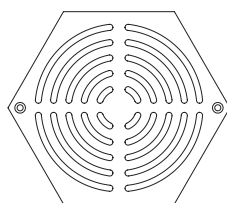
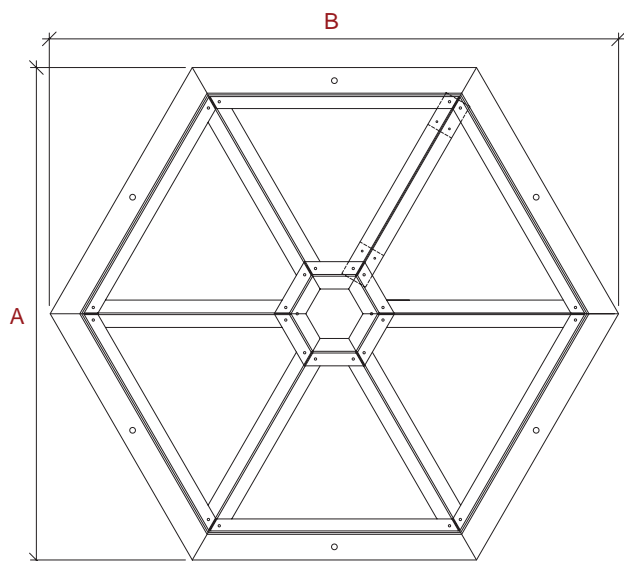
Function:

The **280 Series Stainless Steel Center Grating** is used with dry deck or flush mount interactive fountain systems (See 180 Series Can Jets and 182 Series Pop Jets). Halogen or full spectrum LED lighting can be incorporated into all or some of the 6 insert pieces for added effect. The grating typically covers a large reservoir which holds the water used for the fountain. The reservoir remains accessible for regular service.

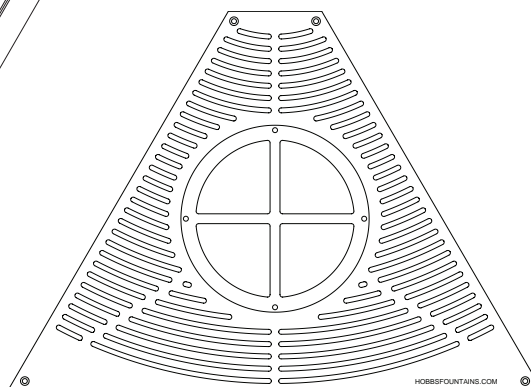


Key Features:

- Quality stainless steel construction
- Protective clear lexan covers the lighting elements (418 light only)
- Removable section of frame allows for reservoir maintenance



Center Cap



Insert

Component	Order #	Description	A	B	Shipping Weight
Frame	220-24037	S.S. Grate Frame. Holds 6 inserts, center is open to allow for a spray effect	4'-6"	5'-2 3/8"	65 lbs
	220-22090	S.S. Grate Frame. Holds 6 inserts, center is closed with center cap	4'-6"	5'-2 3/8"	65 lbs
Insert	240-24674	S.S. Insert holds 418 Series Halogen Light. Includes Lexan Cover and hardware			25 lbs
	240-24675	S.S. Insert holds 420 Series LED Light. Includes Lexan Cover and hardware			25 lbs
	240-24712	S.S. Insert holds Ring LED Light. Includes hardware			25 lbs
	240-24676	S.S. Insert without light. Includes hardware			25 lbs
Center Cap	240-24677	S.S. Center Cap for no jet. Used with frame 220-22090, includes hardware			7 lbs
	240-24718	S.S. Center Cap for Pod Jet. Used with frame 220-24937, includes hardware			7 lbs

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 Phone: 770.457.3000
 Fax: 770.457.4225
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Function:

The **294 Series PVC Vent Caps** are used as termination fittings for air ventilation lines to pumping stations and fountain equipment rooms. Two fittings are utilized, one for intake and one for exhaust.



294 Series

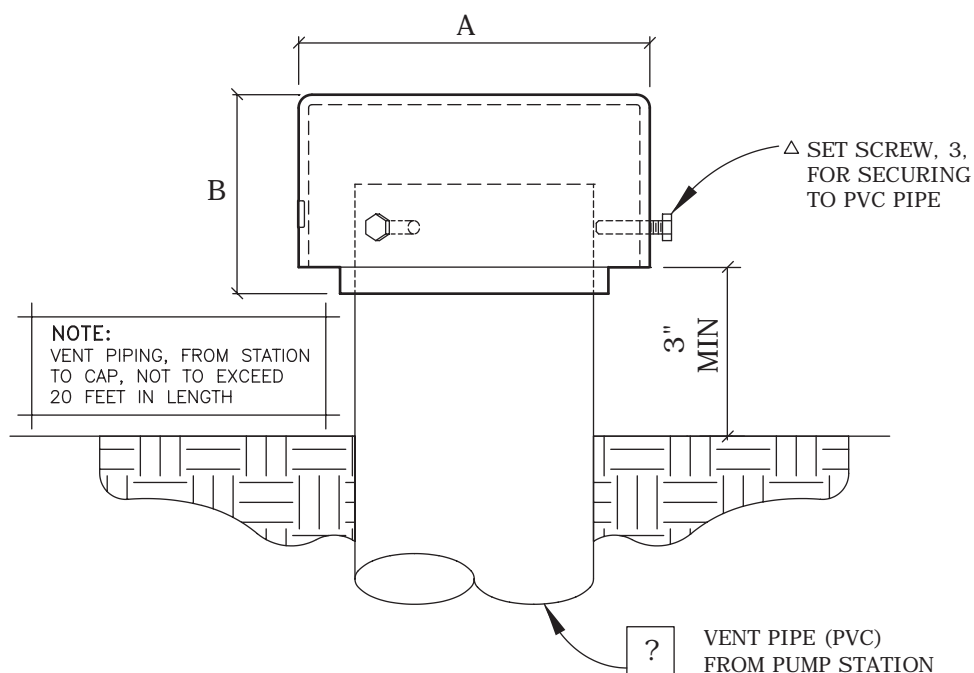
PVC Vent Cap

#294-140 Vent Cap:
PVC; Green finish; 4" Slip connection

#294-160 Vent Cap:
PVC; Green finish; 6" Slip connection

Key Features:

- Constructed of high quality PVC fittings.
- Fits on 4" and 6" pipe.
- Supplied with (3) set screws.



Model	Order #	Description	A	B	Shipping Weight
294-140	600-61069	PVC Vent Cap, Green - 4" Pipe	6-11/16"	3-3/4"	2 lb
294-160	600-61075	PVC Vent Cap, Green - 6" Pipe	9"	4-1/2"	2 lb 6 oz

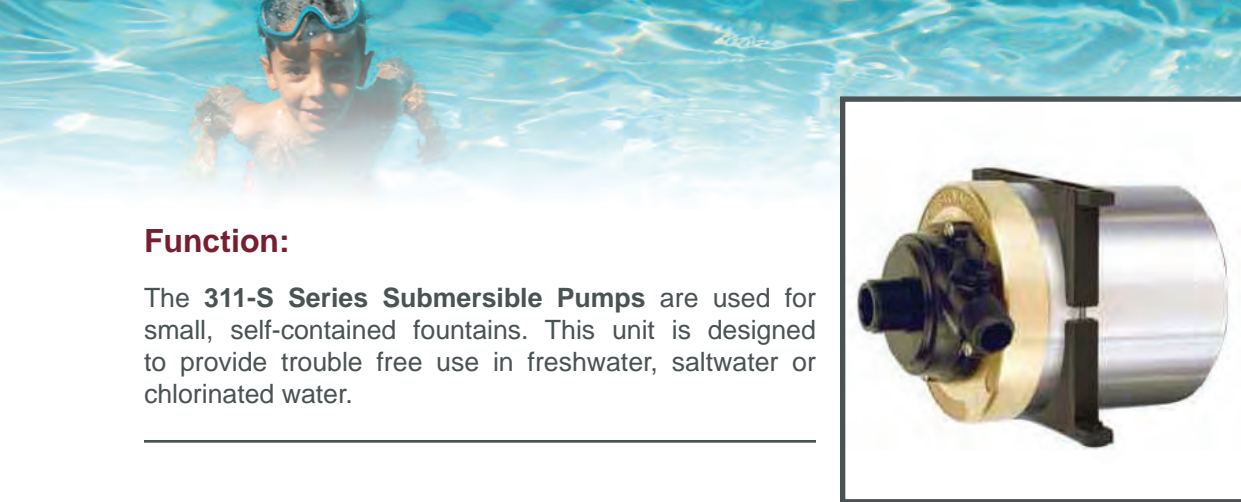
311-S Series Submersible Pump	3-2		
311-S7 Series Submersible Pump	3-3		
315-24 Series Fountain Pump	3-4		
315-44 Series Fountain Pump	3-5		
320-HP Series Pool Pump	3-6		
321 Series Pool Pump	3-7		
322-VF Series Pool Pump	3-8		
322-VS Series Pool Pump	3-9		
323 Series Pool Pump	3-10		
350-P Series Cartridge Filter	3-11		
350 Series Cartridge Filter	3-12		
351 Series Cartridge Filter	3-13		
352 Series Side Mount Sand Filter	3-14		
352 Series Sand Filter Valve	3-15		
353 Series Top Mount Sand Filter	3-16		
354 Series Top Mount Sand Filter	3-17		
355-P Series Vertical Grid D.E. Filter	3-18		
355 Series D.E. Filter	3-19		
356 Series D.E. Filter	3-20		
360 Series Brominator	3-21		

300 Series

Pumps and Filtration

At the heart of every great fountain or pool is its pump and filtration equipment. These parts give the life to the system by moving and cleaning its lifeblood, the water.

In order to insure the vitality of your pumping and filtration system, we provide only the most powerful, highest quality, and longest lasting parts.



Function:

The **311-S Series Submersible Pumps** are used for small, self-contained fountains. This unit is designed to provide trouble free use in freshwater, saltwater or chlorinated water.



Key Features:

- Stainless steel and bronze construction.
- Motor is permanently sealed in a non-toxic, biodegradable lubricant.
- Includes 20' of submersible cable.

Model	Order #	Description	Shipping Weight
311-S225	300-30491	240 GPH Maximum Flow Submersible Pump	4.5 lbs
311-S320	300-30492	340 GPH Maximum Flow Submersible Pump	5.3 lbs
311-S580	300-30493	620 GPH Maximum Flow Submersible Pump	8.5 lbs
311-S900	300-30494	1000 GPH Maximum Flow Submersible Pump	8.5 lbs
311-S1200	300-30495	1140 GPH Maximum Flow Submersible Pump	9.0 lbs
311-S2700	300-30496	2800 GPH Maximum Flow Submersible Pump	10.0 lbs

311 Series Pump Performance:

Model 311-	Amps min-max	Max Flow	Max Ht.	1'	3'	5'	7'	9'	11'	13'	15'	17'	19'
S225	45- 52	240	6'	225	170	120							
S320	65- 83	340	12'	320	260	200	170	140					
S580	136- 184	620	15'	480	425	390	355	320	290	260			
S900	143- 206	1000	17'	900	720	620	520	425	400	390	240		
S1200	195- 280	1140	19'	1080	1120	950	870	780	680	575	450	275	
S2700	316- 498	2800	23'	2720	2560	2380	2200	2000	1780	1560	1310	1050	710

311-S Series

Submersible Pump

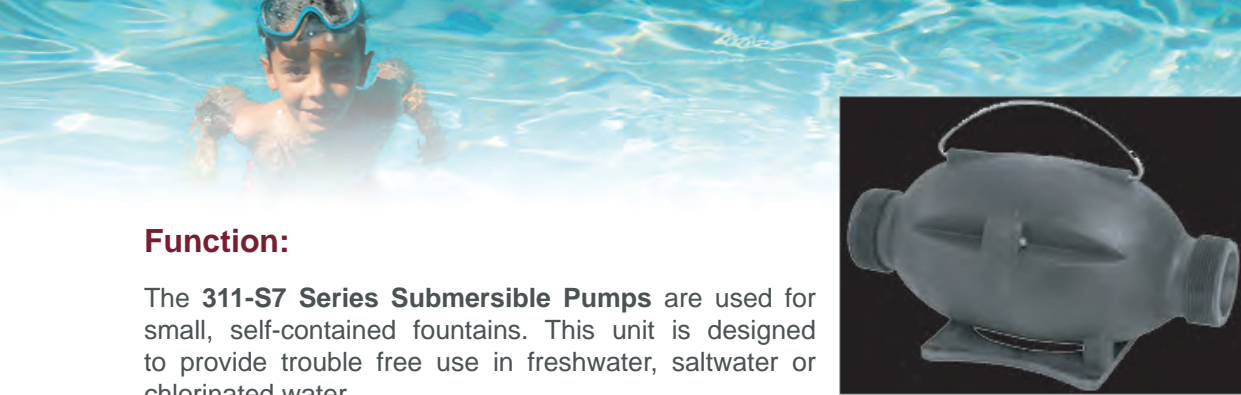
#311-S225 Submersible Pump: 240 GPH maximum flow capacity. 1/2" NPT suction connection, 1/4" NPT discharge connection. Dimensions: 3-3/4" x 4-1/2".

#311-S320 Submersible Pump: Same as #311-S225, except with 340 GPH maximum flow capacity.

#311-S580 Submersible Pump: 620 GPH maximum flow capacity. 3/4" NPT suction connection, 1/2" NPT discharge connection. Dimensions: 4-1/2" x 6-1/4".

#311-S900 Submersible Pump: Same as #311-S580, except with 900 GPH maximum flow capacity.

#311-S1200 Submersible Pump: Same as #311-S580, except with 1140 GPH maximum flow capacity.



Function:

The **311-S7 Series Submersible Pumps** are used for small, self-contained fountains. This unit is designed to provide trouble free use in freshwater, saltwater or chlorinated water.



Key Features:

- Non-corrosive plastic construction.
- Lightweight, water cooled, uses no oil and can be used in or out of water.
- Requires no tools for installation.

311-S7 Series

Submersible Pump

#311-S7015 Submersible Pump: 1500 GPH maximum flow capacity. 1" NPT suction connection, 1" NPT discharge connection. Dimensions: 10-1/2" x 5-1/4" x 6".

#311-S7040 Submersible Pump: 4000 GPH maximum flow capacity. 1-1/2" NPT suction connection, 1-1/2" NPT discharge connection. Dimensions: 13-3/8" x 6-3/4" x 6".

#311-S7075 Submersible Pump: 7500 GPH maximum flow capacity. 3" NPT suction connection, 3" NPT discharge connection. Dimensions: 15-1/2" x 7-3/4" x 6-3/4".

#311-S7100 Submersible Pump: 10000 GPH maximum flow capacity. 3" NPT suction connection, 3" NPT discharge connection. Dimensions: 15-1/2" x 7-3/4" x 6-3/4".

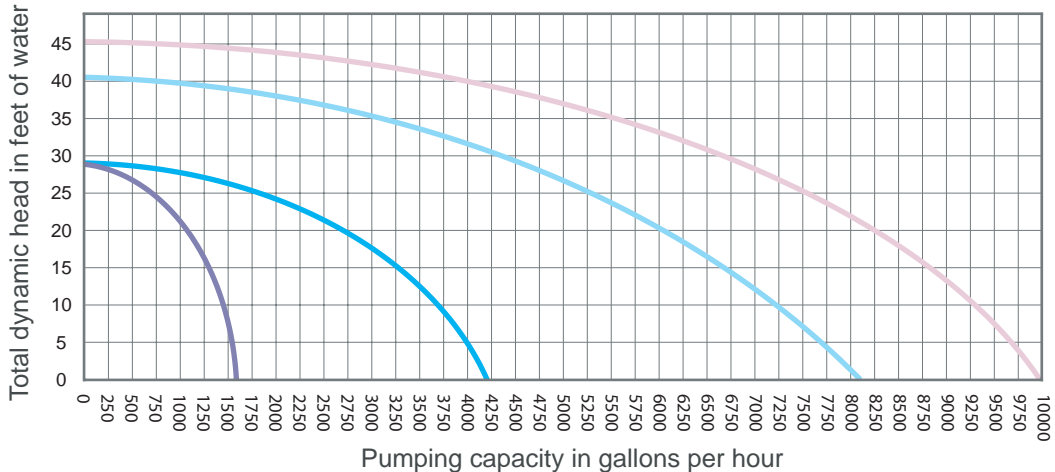
#311-S7S15 Filter: 1-1/2" connection. Fits 311-S7040 submersible pump.

#311-S7S30 Filter: 3" connection. Fits 311-S7075 and 311-S7100 submersible pumps.

Model	Order #	Description	Shipping Weight
311-S7015	300-30504	1500 GPH Maximum Flow Submersible Pump	14 lbs
311-S7040	300-30505	4000 GPH Maximum Flow Submersible Pump	20 lbs
311-S7S15	300-30506	1.5" Filter/ Strainer Basket	-
311-S7075	300-30507	7500 GPH Maximum Flow Submersible Pump	20 lbs
311-S7100	300-30508	10000 GPH Maximum Flow Submersible Pump	22 lbs
311-S7S30	300-30509	3" Filter/ Strainer Basket	-

311 Series Pump Performance:

Model	Amps min-max	Watts min-max	Max Flow	Max Ht.	1'	5'	10'	20'	25'	30'
311-S7015	1.1- 2.5	121- 280	1518	28'	1488	1368	1212	798	480	
311-S7040	2.64- 4.45	290- 520	4200	28'	4116	3672	3110	1830	960	
311-S7075	4.7- 8.3	539- 953	9300	33'	8050	7500	6720	5000	4000	3000
311-S7100	5.9- 10.4	679- 1214	10500	33'	9720	9120	8400	6650	5740	4660





Function:

The **315-24 Bronze Pumps** are quality, compact, “dry type” units for fountains. A wide variety of flow deliveries and electrical requirements are available. The integrated basket strainer saves space, and the removal of four bolts is all that is required if servicing the motor/impeller assembly is necessary.



315-24 Series

Fountain Pump

#315-240508H Pump:

5 HP. Delivers 350 GPM at 30 feet of head, 295 GPM at 50 feet of head, 205 GPM at 70 feet of head.

#315-240508M Pump:

5 HP. Delivers 380 at 30 feet of head, 305 GPM at 50 feet of head, 175 GPM at 65 feet of head.

#315-240758H Pump:

7-1/2 HP. Delivers 503 GPM at 30 feet of head, 450 GPM at 50 feet of head, 370 GPM at 70 feet of head.

#315-240758M Pump:

7-1/2 HP. Delivers 505 GPM at 30 feet of head, 430 GPM at 50 feet of head, 295 GPM at 70 feet of head.

#315-241008H Pump:

10 HP. Delivers 625 GPM at 30 feet of head, 570 GPM at 50 feet of head, 375 GPM at 90 feet of head.

#315-241008M Pump:

10 HP. Delivers 600 GPM at 30 feet of head, 540 GPM at 50 feet of head, 427 GPM at 70 feet of head.

#315-241508H Pump: 15 HP. Delivers 640 GPM at 50 feet of head, 590 GPM at 70 feet of head, 330 GPM at 120 feet of head.

#315-241508M Pump:

15 HP. Delivers 725 GPM at 50 feet of head, 630 GPM at 70 feet of head, 500 GPM at 90 feet of head.

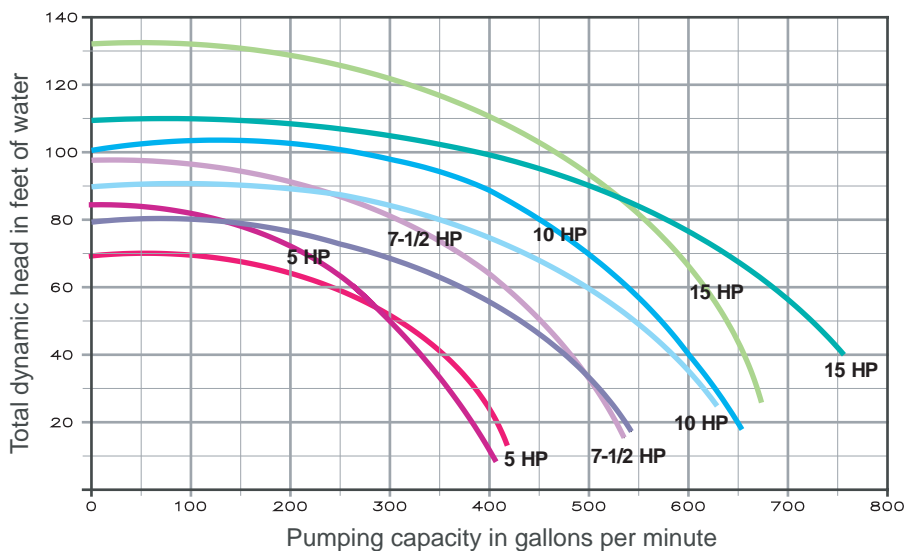
#315-242008H Pump:

20 HP. Delivers 730 GPM at 50 feet of head, 690 GPM at 70 feet of head, 450 GPM at 120 feet of head.

Key Features:

- Self-priming; end suction; close coupled.
- Cast iron construction with bronze impeller.
- Integral suction strainer with 1/4" perforation, stainless steel basket.
- 208-230/460 volt, 3 phase, 50/60 Hz, 3450 RPM, open drip-proof motor.
- 6" flanged connection; 4" flanged discharge.

Model 315-	Order # 300-	Description	Shipping Weight
240508H	30411	5 HP High Head Pump	336.0 lbs
240508M	30412	5 HP Medium Head Pump	336.0 lbs
240758H	30413	7.5 HP High Head Pump	349.0 lbs
240758M	30414	7.5 HP Medium Head Pump	346.0 lbs
241008H	30415	10 HP High Head Pump	376.0 lbs
241008M	30416	10 HP Medium Head Pump	374.0 lbs
241508H	30417	15 HP High Head Pump	398.0 lbs
241508M	30418	15 HP Medium Head Pump	396.0 lbs
242008H	30419	20 HP High Head Pump	474.0 lbs





Function:

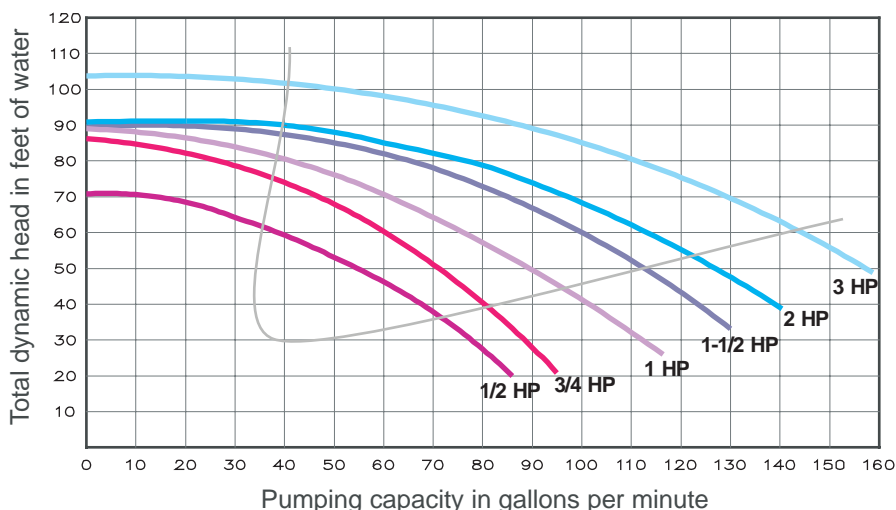
The **315-44 Series Centrifugal Pumps** are constructed of 40% glass-filled thermoplastic for long life. These high quality pumps are perfect for smaller fountain installations.



Key Features:

- Thermoplastic construction for long life.
- Energy efficient square flange motor with threaded shaft.
- Clear lid design allows for easy visual inspection of the built-in strainer pot.
- U.L. Listed.
- 2" suction and discharge connections.

Model	Order #	Phase	Description	Shipping Weight
315-440054	300-30191	Single	1/2 HP Thermoplastic Pump, 115/208-230 Volt	41.0 lbs
315-440074	300-30192		3/4 HP Thermoplastic Pump, 115/208-230 Volt	41.0 lbs
315-440104	300-30193		1 HP Thermoplastic Pump, 115/208-230 Volt	46.0 lbs
315-440154	300-30194		1-1/2 HP Thermoplastic Pump, 208-230 Volt	54.0 lbs
315-440204	300-30195		2 HP Thermoplastic Pump, 208-230 Volt	55.0 lbs
315-440304	300-30196		3 HP Thermoplastic Pump, 208-230 Volt	56.0 lbs
315-440058	300-30207	Three	1/2 HP Thermoplastic Pump, 208-230/460 Volt	39.0 lbs
315-440078	300-30208		3/4 HP Thermoplastic Pump, 208-230/460 Volt	42.0 lbs
315-440104	300-30197		1 HP Thermoplastic Pump, 208-230/460 Volt	46.0 lbs
315-441506	300-30198		1-1/2 HP Thermoplastic Pump, 208-230/460 Volt	54.0 lbs
315-440208	300-30199		2 HP Thermoplastic Pump, 208-230/460 Volt	56.0 lbs
315-440312	300-30200		3 HP Thermoplastic Pump, 208-230/460 Volt	58.0 lbs



315-44 Series

Fountain Pump

#315-440054 Pump: 1/2 HP; 115/208-230 Volt; Single Phase; 1.9 Service Factor; 11.2/6.0-5.6 Full Load Amps; 60 Hz. Delivers 76 GPM at 30 feet of head, 55 GPM at 50 feet of head, 16 GPM at 70 feet of head.

#315-440074 Pump: Same as #315-440054, except 3/4 HP; 1.67 Service Factor. Delivers 88 GPM at 30 feet of head, 71 GPM at 50 feet of head, and 47 GPM at 70 feet of head.

#315-440104 Pump: 1 HP; 115/208-230 Volt; Single Phase; 1.65 Service Factor; 14.8/7.8-7.4 Full Load Amps; 60 Hz. Delivers 100 GPM at 40 feet of head, 76 GPM at 60 feet of head, and 42 GPM at 80 feet of head.

#315-440154 Pump: 1-1/2 HP; 208-230 Volt; Single Phase; 1.47 Service Factor; 9.6 - 9.8 Full Load Amps; 60 Hz. Delivers 110 GPM at 50 feet of head, 85 GPM at 70 feet of head, and 66 GPM at 80 feet of head.

#315-440204 Pump: Same as #315-440154, except 2 HP; 1.30 Service Factor; 11.0 - 10.2 Full Load Amps. Delivers 125 GPM at 50 feet of head, 97 GPM at 70 feet of head, and 78 GPM at 80 feet of head.

#315-440304 Pump: Same as #315-440154, except 3 HP; 1.15 Service Factor; 15.0 - 13.6 Full Load Amps. Delivers 141 GPM at 60 feet of head, 110 GPM at 80 feet of head, and 50 GPM at 100 feet of head.

#315-440058 Pump: 1/2 HP; 208-230/460 Volt; 3 Phase; 1.9 Service Factor; 3.2/3.0/1.5 Full Load Amps; 60 Hz; Delivers 77 GPM at 30 feet of head, 55 GPM at 50 feet of head, and 37 feet of head at 70 GPM.

#315-440078 Pump: 3/4 HP; 208-230/460 Volt; 3 Phase; 1.65 Service Factor; 3.8/3.6/1.8 Full Load Amps; 60 Hz; Delivers 88 GPM at 30 feet of head, 70 GPM at 50 feet of head, and GPM at 70 feet of head.

#315-440078 Pump: 1 HP; 208-230/460 Volt; 3 Phase; 1.65 Service Factor; 5/4.6/2.3 Full Load Amps; 60 Hz; Delivers 110 GPM at 30 feet of head, 90 GPM at 50 feet of head, and 63 GPM at 70 feet of head.

#315-440104 Pump: 1.5 HP; 208-230/460 Volt; 3 Phase; 1.47 Service Factor; 6.4/5.8/2.9 Full Load Amps; 60 Hz; Delivers 130 GPM at 30 feet of head, 110 GPM at 50 feet of head, and 85 GPM at 70 feet of head.

#315-440208 Pump: 2 HP; 208-230/460 Volt; 3 Phase; 1.3 Service Factor; 7.1/6.8/3.4 Full Load Amps; 60 Hz; Delivers 150 GPM at 30 feet of head, 125 GPM at 50 feet of head, and 98 GPM at 70 feet of head.

#315-440312 Pump: 3 HP; 208-230/460 Volt; 3 Phase; 1.15 Service Factor; 11/10.4/5.2 Full Load Amps; 60 Hz; Delivers 160 GPM at 50 feet of head, 130 GPM at 70 feet of head, and 90 GPM at 90 feet of head.



Function:

The **320-HP Series Swimming Pool Pumps** are molded from thermoplastic for superior strength and durability. These high quality pumps are perfect for residential pool installations.



Key Features:

- Transparent strainer pot lid with comfortable handle provides easy access to strainer basket.
- Extra large strainer basket extends time between cleaning.
- Unique diffuser and impeller provide excellent high pressure performance for all demanding installations.
- Standard 2 in. suction and discharge ports permit efficient operation.

320-HP Series

Pool Pump

#320-HP-212 Pump: 1/2 HP; 115/208-230 Volt; Single Speed; 1.9 Service Factor; 11.2/6.0-5.6 Full Load Amps; Delivers 60 GPM at 30 FtH, 40 GPM at 50 feet of head, & 17 GPM at 70 feet of head.

#320-HP-213 Pump: 3/4 HP; 115/208-230 Volt; Single Speed; 1.67 Service Factor; 11.2/6.0-5.6 Full Load Amps; Delivers 75 GPM at 30 FtH, 61 GPM at 50 feet of head, & 42 GPM at 70 feet of head.

#320-HP-205 Pump: 1 HP; 115/208-230 Volt; Single Speed; 1.65 Service Factor; 14.8/7.8-7.4 Full Load Amps; Delivers 43 GPM at 40 FtH, 68 GPM at 60 feet of head, & 84 GPM at 80 feet of head.

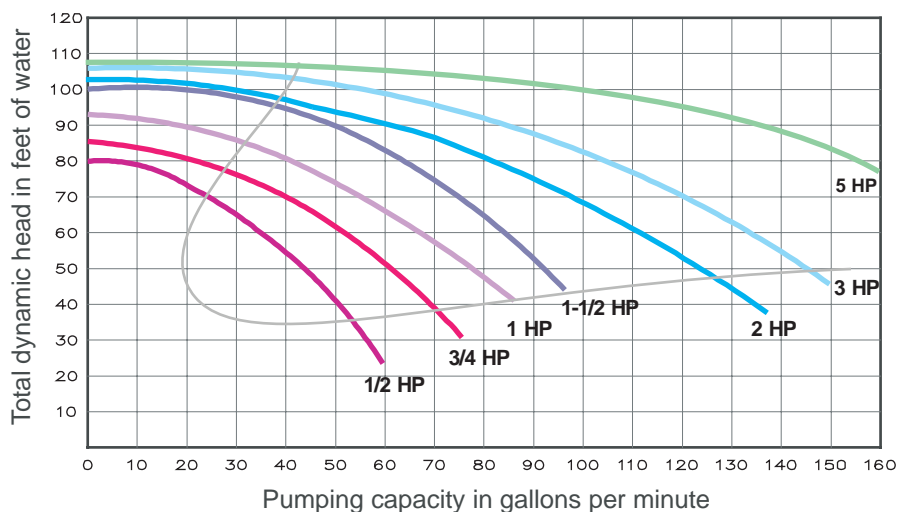
#320-HP-206 Pump: 1-1/2 HP; 208-230 Volt; Single Speed; 1.47 Service Factor; 9.6 - 9.8 Full Load Amps; Delivers 90 GPM at 50 FtH, 72 GPM at 70 feet of head, & 47 GPM at 90 feet of head.

#320-HP-208 Pump: 2 HP; 208-230 Volt; Single Speed; 1.30 Service Factor; 11.0 - 10.2 Full Load Amps. Delivers 124 GPM at 50 FtH, 96 GPM at 70 feet of head, & 61 GPM at 90 feet of head.

#320-HP-209 Pump: 3 HP; 208-230 Volt; Single Speed; 1.15 Service Factor; 15.0 - 13.6 Full Load Amps. Delivers 133 GPM at 60 FtH, 100 GPM at 80 feet of head, & 40 GPM at 100 feet of head.

#320-HF-215 Pump: 5HP; 230/460 Volt; Three Phase; 1.00 Service Factor; 21/19.4 Full Load Amps. Delivers 194 GPM at 60 FtH, 155 GPM at 80 FtH, & 70 GPM at 100 FtH.

Model	Order #	Description	Shipping Weight
320-HP-212	390-39018	1/2 HP High Pressure Pump, 115/208-230 Volt	37.0 lbs
320-HP-213	390-39019	3/4 HP High Pressure Pump, 115/208-230 Volt	43.0 lbs
320-HP-205	390-39020	1 HP High Pressure, 115/ 208-230 Volt	48.0 lbs
320-HP-206	390-39021	1-1/2 HP High Pressure Pump, 208-230 Volt	49.0 lbs
320-HP-208	390-39022	2 HP High Pressure Pump, 208-230 Volt	55.0 lbs
320-HP-209	390-39023	3HP High Pressure Pump, 208-230 Volt	55.0 lbs
320-HF-215	300-30291	5 HP High Flow Pump, 230/460 Volt	75.0 lbs



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Function:

The **321 Series Swimming Pool Pumps** are specifically designed to be the best choice for a variety of in ground pools. The 321 Series features thick walled body parts and heavy engineered hydraulics; the silent running capability and small footprint allow it to easily drop into a compact equipment pad.



Key Features:

- Extremely quiet operation.
- Unionized fittings (1.5" internal slip and 2" external slip)
- Heavy duty, high service factor 56 square flange motor.
- Integral volute and pot reduce hydraulic noise.

321 Series

Pool Pump

#321-036 Pump: 1/2 HP; 115/230 Volt; Single Phase; 1.9 Service Factor; 10.8/5.4 Full Load Amps; 60Hz. Delivers 64 GPM at 20 FtH, 49 GPM at 35 feet of head, & 27 GPM at 50 feet of head.

#321-037 Pump: 3/4 HP; 115/230 Volt; Single Phase; 1.3 Service Factor; 10.8/5.4 Full Load Amps; 60Hz. Delivers 70 GPM at 20 FtH, 51 GPM at 40 feet of head, & 15 GPM at 60 feet of head.

#321-038 Pump: 1 HP; 115/230 Volt; Single Phase; 1.25 Service Factor; 14.2/7.1 Full Load Amps. 60Hz. Delivers 87 GPM at 20 FtH, 66 GPM at 40 feet of head, & 38 GPM at 60 feet of head.

#321-039 Pump: 1-1/2 HP; 115/230 Volt; Single Phase; 1.10 Service Factor; 16.0/18.0 Full Load Amps; 60Hz. Delivers 92 GPM at 30 FtH, 69 GPM at 50 feet of head, & 34 GPM at 70 feet of head.

#321-040 Pump: 2 HP; 230 Volt; Single Phase; 1.10 Service Factor; 22.4/11.2 Full Load Amps. 60Hz. Delivers 98 GPM at 30 FtH, 78 GPM at 50 feet of head, & 50 GPM at 70 feet of head.

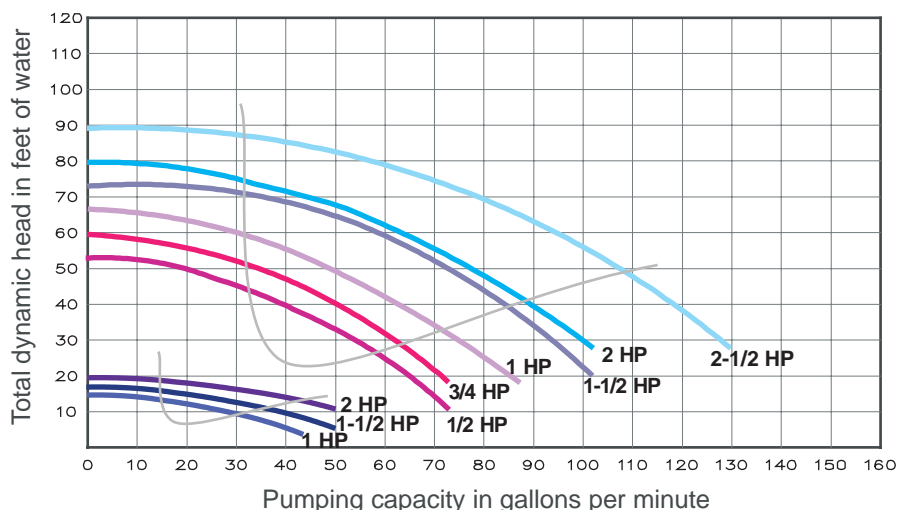
#321-041 Pump: 2-1/2 HP; 230 Volt; Single Phase; 1.04 Service Factor; 11.5 Full Load Amps. 60Hz. Delivers 111 GPM at 40 FtH, 85 GPM at 60 feet of head, & 50 GPM at 80 feet of head.

#321-042 Pump: 1 HP; 230 Volt; Single Phase; 1.25 Service Factor; 14.6/4.7 Full Load Amps. 60Hz. Delivers 40 GPM at 5 FtH, 30 GPM at 10 feet of head, & 10 GPM at 15 feet of head. (Refer to 321-038 for second speed).

#321-043 Pump: 1-1/2 HP; 230 Volt; Single Phase; 1.10 Service Factor; 7.8/3.0 Full Load Amps. 60Hz. Delivers 5 GPM at 5 FtH, 41 GPM at 10 feet of head, & 30 GPM at 15 feet of head. (Refer to 321-039 for second speed).

#321-044 Pump: 2 HP; 230 Volt; Single Phase; 1.10 Service Factor; 10.5/3.5 Full Load Amps. 60Hz. Delivers 50 GPM at 10 FtH, 36 GPM at 15 FtH, & 15 GPM at 20 FtH. (Refer to 321-040 for second speed).

Model	Order #	Description	Shipping Weight
321-036	390-39024	1/2 HP Single Phase, 1 Speed Pump, 115/230 Volt	45.0 lbs
321-037	390-39025	3/4 HP Single Phase, 1 Speed Pump, 115/230 Volt	45.0 lbs
321-038	390-39026	1 HP Single Phase, 1 Speed Pump, 115/230 Volt	45.0 lbs
321-039	390-39027	1-1/2 HP Single Phase, 1 Speed Pump, 115/230 Volt	45.0 lbs
321-040	390-39028	2 HP Single Phase, 1 Speed Pump, 230 Volt	45.0 lbs
321-041	390-39029	2-1/2 Single Phase, 1 Speed Pump, 230 Volt	45.0 lbs
321-042	390-39030	1 HP Single Phase, 2 Speed Pump, 230 Volt	45.0 lbs
321-043	390-39031	1-1/2 HP Single Phase, 2 Speed Pump, 230 Volt	45.0 lbs
321-044	390-39032	2 HP Single Phase, 2 Speed Pump, 230 Volt	45.0 lbs



Toll Free: 1.877.426.4622
 Phone: 770.457.3000
 Fax: 770.457.4225
www.hobbsfountains.com



Function:

The **322-VF Series VF** programmable, variable speed pumps are the new standard in pool pumps. Intelliflo offers onboard intelligence, breakthrough motor technology, and a superior design to deliver energy savings of up to 90%.

Displays inform you of run time, mode and current status

It tells you when and how to backwash your filter media

Manual mode lets you override programming and run the pump using RPM or flow settings of your choice

Programming is push-button easy. Simple menus lead the way

Capable of linking and communicating with IntelliTouch® control systems for even greater automation possibilities. Plus, IntelliFlo provides these expanded control capabilities while achieving levels of energy and cost-efficiency never available before



322-VF Series

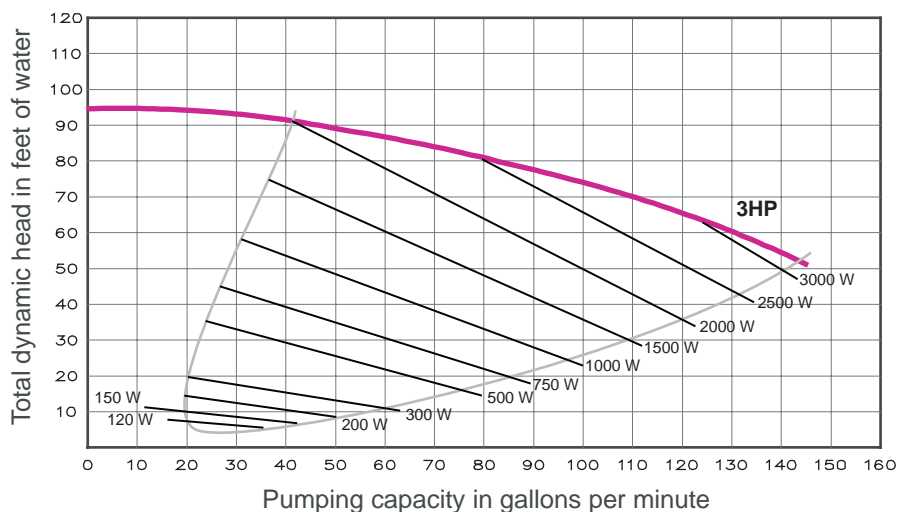
Pool Pump

#322-012 Pump: 3 HP; 230 Volt; Programmable Variable Speed Pump; 1.15 Service Factor; 16 Full Load Amps; 2" Connection Diameter.

Key Features:

- Dramatically reduces energy consumption by 90%, typically saving hundreds each year.
- Reduced operating noise.
- Automatically monitors and adjusts to pool conditions to provide the longest service life of any pump in its class.
- Links to additional water features and equipment to offer expanded control capabilities.
- Compatible with IntelliTouch for RSV85 communication.

Model	Order #	Description	Shipping Weight
322-VF-012	390-39033	3 HP Programmable Pump, 230 Volt	47.0 lbs
Accessories			
322-641	390-39035	IntelliComm 4	8.0 lbs
322-520	390-39036	Conduit Box- Almond	



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Function:

The **322-VS Series VS 3050 pump** allows the programming of four various speeds ranging from 400 to 3450 RPMs to accomplish different tasks at lowest energy usage.



322-VS Series

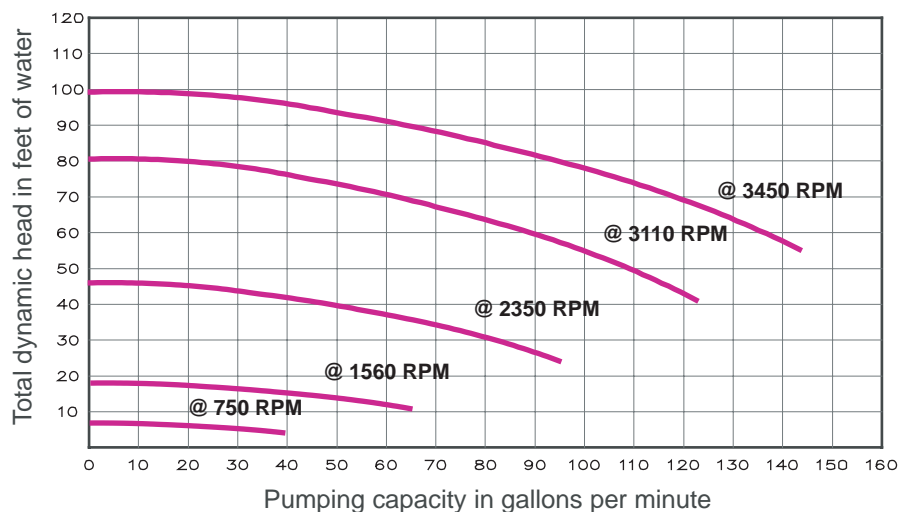
Pool Pump

#322-VS-013 Pump: 3 HP; 230 Volt; Programmable Variable Speed Pump; 1.15 Service Factor; 16 Full Load Amps; 2" Connection Diameter.

Key Features:

- Slashes energy costs up to 30% or more.
- Easy to program and operate.
- Offers ultra-quiet operation ... just 7-10 decibels or half a human whisper.
- Operates at the minimum speed required for unmatched longevity.
- Compatible with other pool systems, including Intellitouch®.

Model	Order #	Description	Shipping Weight
322-VS-013	390-39034	3 HP Programmable Pump, 230 Volt	47.0 lbs
Accessories			
322-641	390-39035	IntelliComm 4	8.0 lbs
322-520	390-39036	Conduit Box- Almond	



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Function:

The **323 Series VS 3050 pump** allows the programming of four various speeds ranging from 400 to 3450 RPMs to accomplish different tasks at lowest energy usage.



323 Series

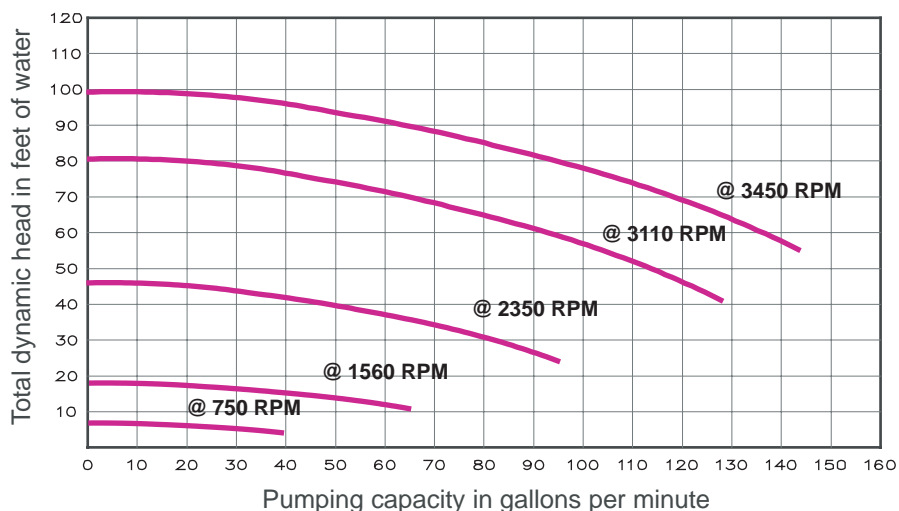
Pool Pump

#323-209L Pump: 3 HP; 230 Volt; Programmable Variable Speed Pump; 1.15 Service Factor; 16 Full Load Amps; 2" Connection Diameter; Comes with 50' communication cable.

Key Features:

- Slashes energy costs up to 30% or more .
- Easy to program and operate.
- Offers ultra-quiet operation ... just 7-10 decibels or half a human whisper.
- Operates at the minimum speed required for unmatched longevity.
- Compatible with other pool systems, including IntelliTouch®.

Model	Order #	Description	Shipping Weight
323-209L	390-39037	3 HP Programmable Pump, 230 Volt	47.0 lbs
Accessories			
322-641	390-39035	IntelliComm 4	8.0 lbs
323-521	390-39038	Conduit Box- Black	2.0 lbs



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Function:

The **350 Series Clean & Clear® Plus Cartridge Filter** features a corrosion resistant injection molded filter tank with superior strength and reliability. The cartridge assembly uses four easy to clean, non-woven, polyester cartridges. Each filter is supplied with a bulkhead union set for easy installation.

Key Features:

- NSF listed.
- Superior strength.
- Large filter area for increased dirt capacity.
- 1-1/2", 100% drain clean-out port.
- Continuous **High Flow™** internal air relief*.
- Base and plumbing kits now available.
- Injection molded tank.
- Balanced hydraulic flow.
- Tension Control™ clamp.
- 100% factory tested.
- Black bulkhead unions.
- High Flow manual air relief valve.



350-P Series

Cartridge Filter

#350-P310 Cartridge Filter:
90 GPM; approximate height of 37"; requires a service clearance height of 56"; 240 sq. ft. of filter area. Turnover capacity is 54,000 gallons in 10 hours.

#350-P340 Cartridge Filter:
120 GPM; approximate height of 43"; requires a service clearance height of 62"; 320 sq. ft. of filter area. Turnover capacity is 86,400 gallons in 10 hours.

#350-P301 Cartridge Filter:
120 GPM; approximate height of 49"; requires a service clearance height of 68"; 420 sq. ft. of filter area. Turnover capacity is 90,000 gallons in 10 hours.

#350-P332 Cartridge Filter:
150 GPM; approximate height of 56"; requires a service clearance height of 74"; 520 sq. ft. of filter area. Turnover capacity is 90,000 gallons in 10 hours.

Model	Order #	Description	Shipping Weight
350-P-310	402-10001	Cartridge Filter - 90 GPM	60.0 lbs
350-P-340	402-10002	Cartridge Filter - 120 GPM	70.0 lbs
350-P-301	402-10003	Cartridge Filter - 150 GPM	80.0 lbs
350-P-332	402-10004	Cartridge Filter - 150 GPM	90.0 lbs

Note: Actual system flow will depend on plumbing size and other system components.

Note: Hobbs does not recommend flow rates above 150 GPM.

**Integrated continuous High Flow internal air relief is operational only when there is unobstructed flow in the circulating system.*



Function:

The **350 Series Clean & Clear® Cartridge Filter** features a chemical resistant tank with no-tool servicing and a core-less cartridge for easier cleaning. All models are equipped with easy spin-on unions for plumbing hook-ups. These filters are NSF listed, and are available in 50, 75, 100, 150, and 200 square foot sizes.

Key Features:

- NSF listed.
- Unionized connections.
- Integrated continuous High Flow™ internal air relief.
- Chemical resistant tank body.
- Look ring with spring-loaded safety latches.
- Core-less cartridge for easy cleaning.
- High Flow manual air relief valve.
- 1 in. drain wash out.
- Single piece base and body design.



350 Series

Cartridge Filter

#350-P314 Cartridge Filter: 50 GPM; approximate height of 18"; requires a service clearance height of 30"; 50 sq. ft. of filter area. Turnover capacity is 30,000 gallons in 10 hours.

#350-315 Cartridge Filter: 75GPM; approximate height of 25-1/2"; requires a service clearance height of 39"; 75 sq. ft. of filter area. Turnover capacity is 45,000 gallons in 10 hours.

#350-316 Cartridge Filter: 100 GPM; approximate height of 33"; requires a service clearance height of 61"; 100 sq. ft. of filter area. Turnover capacity is 60,000 gallons in 10 hours.

#350-317 Cartridge Filter: 150 GPM; approximate height of 40-1/2"; requires a service clearance height of 76"; 150 sq. ft. of filter area. Turnover capacity is 90,000 gallons in 10 hours.

#350-318 Cartridge Filter: 150 GPM; approximate height of 40-1/2"; requires a service clearance height of 76"; 200 sq. ft. of filter area. Turnover capacity is 90,000 gallons in 10 hours.

Model	Order #	Description	Shipping Weight
350-314	402-10005	Cartridge Filter -50 GPM	15.0 lbs
	400-40035	50 GPM Element	3.0 lbs
350-315	402-10006	Cartridge Filter - 75 GPM	26.0 lbs
	400-40037	75 GPM Element	3.0 lbs
350-316	402-10007	Cartridge Filter - 100 GPM	33.0 lbs
	400-40038	100 GPM Element	3.0 lbs
350-317	402-10008	Cartridge Filter - 120 GPM	35.0 lbs
350-318	402-10009	Cartridge Filter - 150 GPM	35.0 lbs
	400-40039	150 GPM Element	3.0 lbs

Note: Actual system flow will depend on plumbing size and other system components.

Note: Hobbs does not recommend flow rates above 150 GPM.

**Integrated continuous High Flow internal air relief is operational only when there is unobstructed flow in the circulating system.*



Function:

The **351 Series Stainless Steel Cartridge Filter** features an upflow design that makes the unit one of the safest in the world. Air cannot be trapped inside during operation. There is no need for tricky manual air relief during start-up, no need to make provisions for backwash disposal, no moving parts, no complicated valves...just simple, efficient, safe, quality filtration.



Key Features:

- Type 304 stainless steel construction.
- Automatic, internal air relief.
- 12" diameter footprint area.
- 2" N.P.T. bottom inlet and outlet connections.

351 Series

Cartridge Filter

#351-055 Cartridge Filter:
55 GPM; approximate height of 19-1/2"; requires a service clearance height of 30"; 55 sq. ft. of filter area.

#351-075 Cartridge Filter:
75 GPM; approximate height of 25"; requires a service clearance height of 45"; 75 sq. ft. of filter area.

#351-105 Cartridge Filter:
105 GPM; approximate height of 29-1/2"; requires a service clearance height of 49"; 105 sq. ft. of filter area.

#351-155 Cartridge Filter:
155 GPM; approximate height of 39-1/2"; requires a service clearance height of 69"; 155 sq. ft. of filter area.

Model	Order #	Description	Shipping Weight
351-055	400-40000	Stainless Steel Cartridge Filter- 55 GPM	27.0 lbs
010-ST 55	400-40009	Cartridge for 55 GPM Cartridge Filter	1.5 lbs
351-075	400-40001	Stainless Steel Cartridge Filter- 75 GPM	31.0 lbs
010-0689-75	400-40010	Cartridge for 75 GPM Cartridge Filter	1.5 lbs
351-105	400-40002	Stainless Steel Cartridge Filter- 105 GPM	39.0 lbs
010-ST 105	400-40011	Cartridge for 105 GPM Cartridge Filter	2.0 lbs
351-155	400-40003	Stainless Steel Cartridge Filter- 155 GPM	50.0 lbs
010-ST155	400-40012	Cartridge for 155 Cartridge Filter	2.0 lbs



Function:

The **352 Triton® Series Sand Filter** consists of a one-piece, fiberglass reinforced tank with UV resistant surface finish for years of unequaled strength and durability. The heavy duty closure provides easy inspection and features an easy to read pressure gauge with air relief valve. A combination sand and water drain makes servicing fast and easy.

Please note that the 352 Series Sand Filters are not supplied with valves. The multi-port valves are offered as a separate component



Key Features:

- One-piece fiberglass reinforced tank with UV resistant surface finish.
- 50 psi maximum operating pressure.
- Accepts 2" threaded bulkhead connectors.

352 Series

Side Mount Sand Filter

#352-040 Sand Filter:

38 GPM design flow rate; 19-1/2" diameter x 30-1/2" high; requires service clearance height of 32-1/2"; 1.92 sq. ft. of filter area.

#352-050 Sand Filter:

49 GPM design flow rate; 21-1/2" diameter x 34-3/4" high; requires service clearance height of 36-3/4"; 2.46 sq. ft. of filter area.

#352-060 Sand Filter:

63 GPM design flow rate; 24-1/2" diameter x 35-1/2" high; requires service clearance height of 37-1/2"; 3.14 sq. ft. of filter area.

#352-100C Sand Filter:

98 GPM design flow rate; 30-1/2" diameter x 39-3/4" high; requires service clearance height of 43-3/4"; 4.91 sq. ft. of filter area.

#352-140C Sand Filter:

141 GPM design flow rate; 36-1/2" diameter x 45-1/4" high; requires service clearance height of 49-1/4"; 7.06 sq. ft. of filter area.

Model	Order #	Description	Shipping Weight
352-040	410-41110	Side Mount Sand Filter- 38 GPM	25.0 lbs
352-050	410-41111	Side Mount Sand Filter- 49 GPM	34.0 lbs
352-060	410-41112	Side Mount Sand Filter- 63 GPM	39.0 lbs
352-100C	410-41160	Side Mount Sand Filter- 98 GPM	39.0 lbs
352-140C	410-41161	Side Mount Sand Filter- 141 GPM	72.0 lbs



Function:

The **352 Series Sand Filter Valves** are offered to compliment the 352 Series Side Mount Sand Filters, which come standard without valves.

Multi-Port Valve Option: The 352-020MPV Multiport Valve is designed to easily integrate with the 352 Series Side Mount Sand Filter. There are two different orientations available: one with the return fittings on the right side of the filter connections (as shown to right) and one with the return fittings to the left of the filter fittings.

The hiflow valve is rated for filters running 60 GPM or higher.



352 Series
Sand Filter Valve

#352-020MPV Multi-Port Valve: PVC body; 2" threaded connections; six-position, positive-lock operation; designed to easily integrate with the 352 Series Side Mount Sand Filter.

#352-021MPV Multi-Port Valve: PVC body; Same as above filter with inverse orientation of return fittings and waste connection.

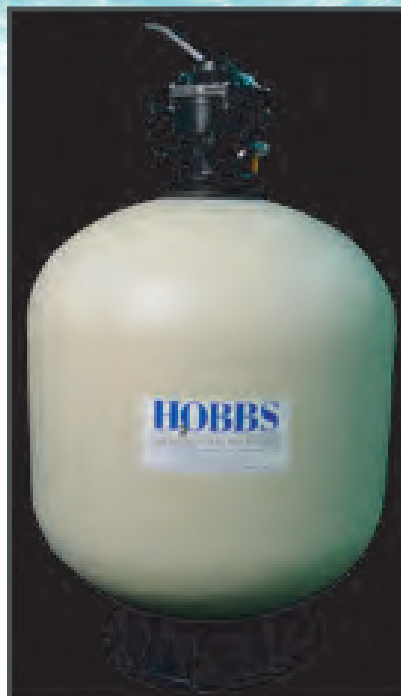
#352-020HFV HiFlow Multi-Port Valve: PVC body; 2" threaded connections; six-position, positive-lock operation; designed to easily integrate with the 352 Series Side Mount Sand Filter, and is rated for filters running 60 GPM or higher.

Model	Order #	Description	Shipping Weight
352-020MPV	410-41096	2" Multiport Valve for 352 Series Side Mount Sand Filter (as shown in image)	7.0 lbs
352-021MPV	460-46540	2" Multiport Valve for 352 Series Side Mount Sand Filter (return fitting oriented on left side of filter fittings)	7.0 lbs
352-020HFV	410-41207	2" HiFlow Valve for 352 Series Side Mount Sand Filter	9.0 lbs



Function:

The **352 Tagelus® Series Sand Filter** consists of a one-piece, fiberglass reinforced tank with UV resistant surface finish for years of unequaled strength and durability. The units are equipped with a six-position, clamp style, top mounted multi-port valve. A combination sand and water drain makes servicing fast and easy.



Key Features:

- One-piece fiberglass reinforced tank with UV resistant surface finish.
- 50 psi maximum operating pressure.
- Six position, clamp style, top mounted, multi-port valve.
- 1-1/2" threaded connectors.

353 Series

Top Mount Sand Filter

#353-040D Sand Filter:
40 GPM design flow rate.
19-1/2" diameter x 37" high;
requires service clearance
height of 47"; 1.8 sq. ft. of
filter area.

#353-050D Sand Filter:
50 GPM design flow rate.
21-1/2" diameter x 39-
1/2" high; requires service
clearance height of 51-1/2";
2.3 sq. ft. of filter area.

#353-060D Sand Filter:
60 GPM design flow rate;
24-1/2" diameter x 42-
1/2" high; requires service
clearance height of 57"; 3.1
sq. ft. of filter area.

#353-100D Sand Filter:
100 GPM design flow rate.
30-1/2" diameter x 47-
1/4" high; requires service
clearance height of 65-1/2";
4.9 sq. ft. of filter area.

Model	Order #	Description	Shipping Weight
353-040D	423-42356	Top Mount Sand Filter- 40 GPM	24.0 lbs
353-050D	423-42357	Top Mount Sand Filter- 50 GPM	28.0 lbs
353-060D	423-42358	Top Mount Sand Filter- 60 GPM	30.0 lbs
353-100D	423-42359	Top Mount Sand Filter- 100 GPM	47.0 lbs



Function:

The **354 Sand Dollar® Series Sand Filter** consists of a one-piece filter featuring a clamp style, six-position multiport valve. Special lateral design provides superior flow characteristics and long filter cycles for economical operation.



Key Features:

- Six position, top mounted multiport valve
- Combination water and sand drain makes servicing and winterizing fast and easy

354 Series
Top Mount Sand Filter

#354-315 Sand Filter: 35 GPM design flow rate. 16-1/2" diameter x 28-1/2" high; requires service clearance height of 33-3/4"; 1.4 sq. ft. of filter area.

#354-320 Sand Filter: 40 GPM design flow rate. 19-1/2" diameter x 34" high; requires service clearance height of 42-7/8"; 1.8 sq. ft. of filter area.

#354-322 Sand Filter: 60 GPM design flow rate; 22-1/2" diameter x 35-1/2" high; requires service clearance height of 47-1/2"; 2.3 sq. ft. of filter area.

#354-333 Sand Filter: 75 GPM design flow rate. 26" diameter x 45-1/2" high; requires service clearance height of 71"; 3.5 sq. ft. of filter area.

Model	Order #	Description	Shipping Weight
354-315	423-42361	Top Mount Sand Filter- 35 GPM	22.0 lbs
354-320	423-42362	Top Mount Sand Filter- 40 GPM	24.0 lbs
354-322	423-42363	Top Mount Sand Filter- 60 GPM	28.0 lbs
354-333	423-42364	Top Mount Sand Filter- 75 GPM	76.0 lbs



Function:

The **355 FNS® Plus Series D.E. Filter** is a fiberglass reinforced polypropylene of advanced chemical resistant materials for superior strength and durability. The top manifold design features the Service-Ease grid pack for convenient one-at-a-time grid servicing.

Key Features:

- Superior strength.
- Service-Ease grid pack.
- Continuous High Flow internal air relief.
- 100% factory tested.
- Top-to-bottom backwash.
- High Flow manual air relief valve.
- Tension Control™ clamp.
- Black valves and plumbing.
- 1-1/2" bottom clean out port.
- 7-1/2" centerline bulkhead fittings.



355-P Series

Vertical Grid D.E. Filter

#355-006 D.E. Filter: 48 GPM flow rate. 21-1/2" diameter x 37" high; requires service clearance height of 48"; 24 sq. ft. of filter area.

#355-007 D.E. Filter: 72 GPM flow rate. 21-1/2" diameter x 43" high; requires service clearance height of 62"; 36 sq. ft. of filter area.

#355-008 D.E. Filter: 96 GPM flow rate; 21-1/2" diameter x 49" high; requires service clearance height of 74"; 48 sq. ft. of filter area.

#355-009 D.E. Filter: 120 GPM flow rate. 21-1/2" diameter x 55" high; requires service clearance height of 86"; 60 sq. ft. of filter area.

Model	Order #	Description	Shipping Weight
355-P-006	430-43001	Vertical Grid D.E. Filter- 48 GPM	60 lbs
355-P-007	430-43002	Vertical Grid D.E. Filter- 72 GPM	70 lbs
355-P-008	430-43003	Vertical Grid D.E. Filter- 96 GPM	80 lbs
355-P-009	430-43004	Vertical Grid D.E. Filter- 120 GPM	90 lbs



Function:

The **355 FNS® Series D.E. Filter** is a fiberglass reinforced tank with unequalled strength and durability unsurpassed for use in all high pressure applications. Curved, modular grid assembly permits maximum filtration surface in minimum area.

Key Features:

- Maximum Operating Pressure 50 psi.
- Sturdy tank clamp of premium stainless steel has permanent spring mechanism to correctly indicate proper tightness for securing tank halves.
- Water flows in bottom, up and around filter grid for even distribution of diatomaceous earth, eliminating bridging between elements and providing highly efficient filtration.
- Exclusive grid assembly with molded-in handles lifts out easily for inspection and periodic cleaning.
- Backwashes from top to bottom utilizing gravity for complete cleaning of accumulated dirt and D.E. powder.
- 2" bottom drain assembly permits unrestricted flow when draining filter.
- 2" plumbing connections allow for maximum flow.



355 Series

D.E. Filter

#355-724 D.E. Filter: 48 GPM flow rate. 18-1/2" diameter x 35-7/8" high; requires service clearance height of 45"; 24 sq. ft. of filter area.

#355-736 D.E. Filter: 72 GPM flow rate. 18-1/2" diameter x 41-7/8" high; requires service clearance height of 57"; 36 sq. ft. of filter area.

#355-748 D.E. Filter: 96 GPM flow rate; 18-1/2" diameter x 47-1/2" high; requires service clearance height of 63"; 48 sq. ft. of filter area.

#355-760 D.E. Filter: 120 GPM flow rate. 18-1/2" diameter x 53-7/8" high; requires service clearance height of 75"; 60 sq. ft. of filter area.

Model	Order #	Description	Shipping Weight
355-724	430-43005	D.E. Filter- 48 GPM	44 lbs
355-736	430-43006	D.E. Filter- 72 GPM	52 lbs
355-748	430-43007	D.E. Filter- 96 GPM	62 lbs
355-760	430-43008	D.E. Filter- 120 GPM	70 lbs



Function:

The **356 Star® Series D.E. Filter's** patented “swish and bump” system totally dislodges accumulated dirt and diatomaceous earth for periodic cleaning without disassembly. Exclusive, rotatable grid assembly lifts out easily for any required service.

Key Features:

- Maximum Operating Pressure 50 psi.
- Time-proven vertical grids with 2” spacing provide the most efficient D.E. filtration available.
- Exclusive, rotatable grid assembly lifts out easily for any required service.
- Easy to remove, 1-1/2” drain plug allows rapid draining of filter. Star D.E. filters are available in your choice of 35 gpm, 50 gpm, or 80 gpm capacities.
- Super-strong tanks are molded from advanced, corrosion-proof thermoplastic material.
- Sturdy tank clamp of premium stainless steel allows for quick and easy removal of top for access to grids.
- Unique check valve is built into filter inlet port to prevent backflow of D.E. powder into pump.



356 Series

D.E. Filter

#356-035 D.E. Filter: 35 GPM flow rate. 13-3/4” diameter x 29-3/4” high; requires service clearance height of 38”; 7.6 sq. ft. of filter area.

#356-050 D.E. Filter: 50 GPM flow rate. 13-3/4” diameter x 37-3/8” high; requires service clearance height of 50”; 11.4 sq. ft. of filter area.

#356-080 D.E. Filter: 80 GPM flow rate; 13-3/4” diameter x 44” high; requires service clearance height of 63”; 15.2 sq. ft. of filter area.

Model	Order #	Description	Shipping Weight
356-035	430-43009	D.E. Filter- 35 GPM	24 lbs
356-050	430-43010	D.E. Filter- 50 GPM	44 lbs
356-080	430-43011	D.E. Filter- 80 GPM	48 lbs



Function:

The **360 Series Brominator** is used to kill bacteria, algae, and disease-causing pathogens in the water. The units precisely release bromine at a consistent rate providing assurance of a properly sanitized fountain with less work.

NOTE: This unit may also be used as a chlorinator, but once either bromine or chlorine tablets are used, the system must remain with the same type of tablet. Consult a member of our sales department for a recommendation on whether to use bromine or chlorine for your particular application.



Key Features:

- Large capacity reservoir with a wide mouth and an easy-lock threaded chemical storage cover allows easy chemical loading.
- Bi-flow design allows the unit to be installed in either direction.
- Wide range of control dial settings to meet the precise needs of each fountain.
- Erosion design offers high efficiency so chemicals last longer.
- Pressure relief valve protects against built-up pressure.
- Corrosion-proof construction.

360 Series

Brominator

#360-910 Brominator:

15,000 Gallon Capacity; designed for in-line applications; 1-1/2" threaded connections; for fountains with up to 15,000 gallon capacity.

#360-930 Brominator:











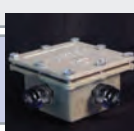





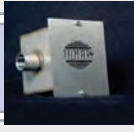

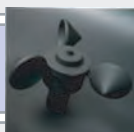



12,000 Gallon Capacity; designed for off-line applications; 1/2" threaded connections; for fountains with up to 12,000 gallon capacity.

#360-940 Brominator:

25,000 Gallon Capacity; designed for in-line applications; 2" threaded connections; for fountains with up to 25,000 gallon capacity.

Model	Order #	Description	Shipping Weight
360-920	500-50001	In-line Brominator- 15,000 Gallon Capacity	6.0 lbs
360-930	500-50002	Offline Brominator- 12,000 Gallon Capacity	6.0 lbs
360-940	500-50003	In-line Brominator- 25,000 Gallon Capacity	7.0 lbs
N/A	590-59002	Bromine Tablets- 5 lb Pail	5.0 lbs

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400 Series

Electrical and Lighting

Aside from the spray effects, no other part adds more visual impact to a fountain than its lighting system. Because a well designed electrical system is needed to support this important artistic element, as well as pumping and other systems, the 400 Series contains a wide variety of high quality electrical components.

Factors to Consider:

- 1) Type of water effect
- 2) Ambient lighting
- 3) Lens color
- 4) Maximum height of spray effect to be illuminated
- 5) Pool depth and configuration



It is important to remember that fountain effects are subjective and involve many variables. The guidelines listed here are general design parameters. Please contact our office for lighting layout consultation for your specific design.

Our Recommendations:

The type of lamp we recommend for our most popular spray effects is shown on the chart below:

Spray Effect	Recommended Lighting
111 Series Geyser Jet	Spot or medium flood, depending on spray height
112 Series Aeration Jet	Spot
113 Series Bubbler Jet	Medium or wide flood
143 Series Clearstream Jets	Spot
Spray Rings/Bars & Waterfalls	Wide flood every four to five feet for spray heights to about ten feet and medium flood lamps every three feet for displays above ten feet

Additional Advice:

The use of colored lenses is subjective and affects the number of fixtures required. High ambient light level will reduce the brilliance of underwater lighting. Only clear, amber or turquoise lenses should be used in high ambient light conditions. Clear lenses provide the greatest light output and yield a spectacular effect. Amber and red lenses provide the next most light output. To create the same illumination as with clear lenses, approximately 50% more candle power is required when using amber and turquoise lenses. Red requires 100% and blue and green require 250% more candle power.

Taller spray effects require more candle power and narrower beams. If in doubt, use a medium flood type lamp.

Function:

The **408 Series Submersible Light Fixture** is a compact unit which sits on the pool floor and can be adjusted to various heights.

It can be installed vertically in shallow pools with low spray effects. The yoke and tripod assembly allows the light to be directed at almost any angle.



408 Series

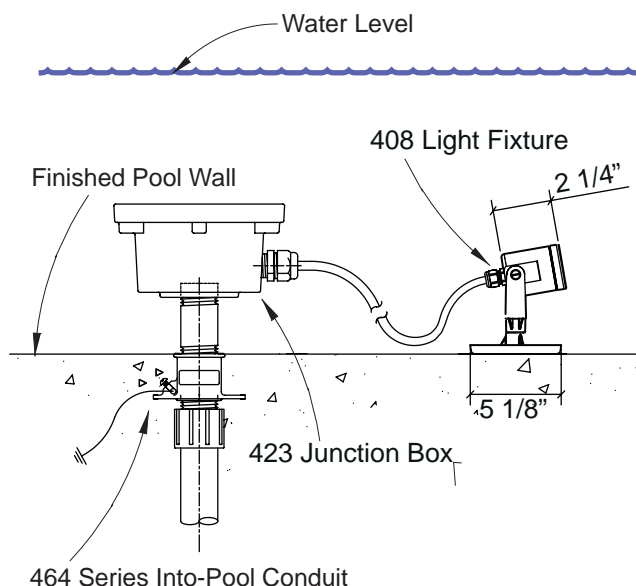
Light Fixture

#408-1 Submersible Light: Bronze Housing and Stand with up to 75 Watt; Halogen Bulb. 20ft of submersible cable.

#408-2 Submersible Light: Bronze Housing and Stand with 5 W Full color LED Bulb, 20ft of submersible cable.

Key Features:

- Thermally protected from overheating.
- Solid bronze construction.
- Lightweight and energy efficient.
- Can be used with up to a 75W bulb (must be submerged at least 1" below water surface to allow for proper cooling).
- Can be used with a 24VDC, 5W, Full color LED bulb. 50ft maximum cable between fixture and power supply.



Model	Order #	Description	Shipping Weight
408-1	270-27864	Freestanding submersible light fixture with 20' of cable. Up to 75W halogen bulb	8.0 lbs.
408-2	270-27865	Freestanding submersible light fixture with 20' of cable. 24VDC, 5W full color LED bulb	8.0 lbs.
408	985-98603	Bronze Housing Only	8.0 lbs.

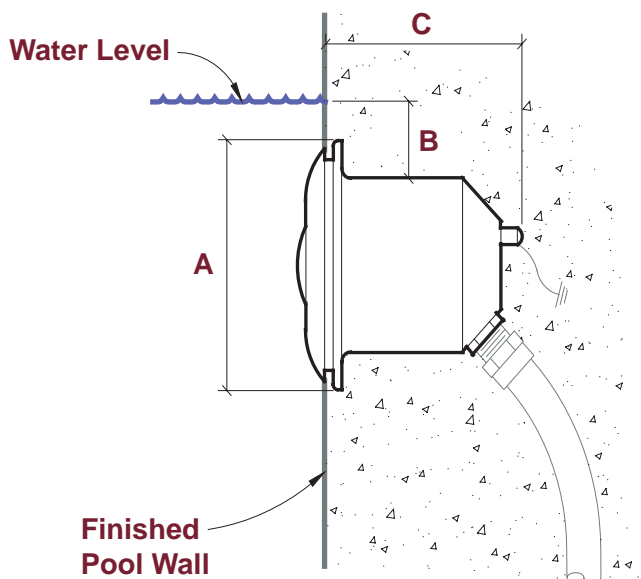
Accessories / Notes: If using an LED Bulb, this fixture must be used in conjunction with a PDS-70mr (up to 14 fixtures). Other accessories include a iPlayer 2 and a Controller Keypad.

Every project is different and thus, so are the lighting requirements. Please contact a Hobbs Sales Representative for assistance when specifying these parts.

Function:

The **411 Series Submersible Light Fixture** is a compact, U.L. Listed, 100 watt unit installed in a fixture housing, also known as a “light niche” or “forming shell.”

It can be installed vertically in shallow pools with low spray effects, or horizontally in a wall for spray bar/ripler bar illumination or for understep lighting. The light fixture and fixture housing are ordered separately.



Model	A	B	C
All	6-1/2" DIA.	2" MIN.	5-3/4"



Key Features:

- 120 or 12 Volt versions.
- Light has integrated low-water protection.
- Die cast brass, natural finish body and clear glass lens.
- Brass or stainless steel face ring available.
- Includes single piece, U-shaped molded gasket.
- Medium base reflector lamp and 30 feet of 16/3 underwater cable provided.
- All models are U.L. Listed.

411 Series

“Wet Niche” Light

FIXTURE

#411-1330 Submersible Light: 100 Watt; 120 Volt; stainless steel face ring; specify fixture housing separately.

#411-2230 Submersible Light: Same as #411-1330, except 12 volt. Requires transformer and has special wiring considerations.

#411-3330 Submersible Light: Same as #411-1330, except 250 Watt.

HOUSING:

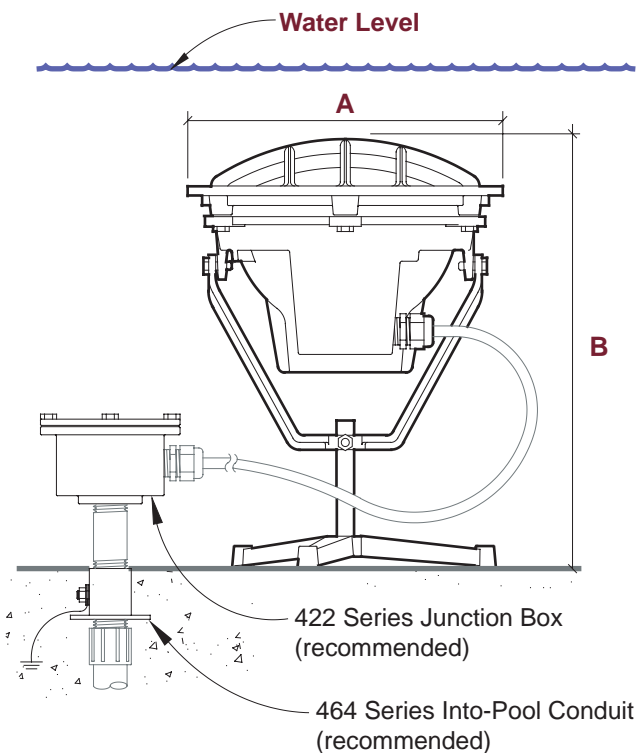
#411-51 Light Fixture Housing: stainless steel; brass mounting/grout ring; 3/4" N.P.T. back conduit hub; ground and bond screws.

Model	Order #	Description	Shipping Weight
411-1330	270-27023	Niche Light, Stainless Steel Face Ring; 120 Volt, 100 Watt Lamp. Requires Housing #27050	8.0 lbs
411-2330	270-27029	Niche Light, Stainless Steel Face Ring; 12 Volt, 100 Watt Lamp. Requires Housing #27050	8.0 lbs
411-3330	270-27034	Niche Light, Stainless Steel Face Ring; 120 Volt, 250 Watt Lamp. Requires Housing #27050	8.0 lbs
411-51	270-27050	Fixture Housing with 3/4" conduit connection. Note: Required for all 411 Series Niche lights.	2.0 lbs

Function:

The **418 Series Submersible Light Fixture** is a free-standing light that can be configured for optimum lighting of any fountain design. It is available in either 120 volt/500 maximum watt configuration, or 12 volt/300 maximum watt configuration.

The 120 volt/500 maximum watt fixture uses a PAR 56, mogul-end prong lamp. The low voltage fixture uses a screw terminal, 12 volt/300 watt lamp. Both lamps are available in a range of configurations.



Model	A	B
All	9- 7/8" DIA	10-1/4" to 14-1/2"



Key Features:

- 120 or 12 Volt versions.
- Constructed of natural finish cast brass with stainless steel fasteners.
- Lens is tempered, clear glass. Colored lenses available.
- Includes silicone rubber lens gasket.
- 10' of underwater cable included.
- Brass swivel yoke and adjustable tripod assembly available.
- Lamp not included.
- All models include a thermostat to protect internal components.
- UL Listed

418 Series

Light Fixture

#418-5T Submersible

Light: Uses PAR 56, 500 Watt maximum, 120 Volt lamps. Includes 10' of 16/3 underwater cable.

#418-6T Submersible

Light: Same as #418-5 with the addition of a brass swivel yoke, stem, and tripod assembly.

#418-5LV Submersible

Light: Uses screw terminal, 300 Watt, 12 Volt lamps. Includes 10' of 10/3 underwater cable.

#418-6LV Submersible

Light: Same as #418-5LV with the addition of a brass swivel yoke, stem, and tripod assembly.

#418D-5 Wet/Dry Light:

Same as #418-5T but uses a 300 Watt, 120 Volt lamp.

#418D-6 Wet/Dry Light:

Same as #418D-5 with the addition of a brass swivel yoke, stem, and tripod assembly.

Model	Order #	Description	Shipping Weight
418-5T	270-27137	Submersible, Free Standing Light Fixture: 500 Watt, 120 Volt	22.0 lbs
418-6T	270-27157	Submersible, Free Standing Light Fixture: 500 Watt, 120 Volt with Tripod Stand	24.0 lbs
418-5LV	270-27147	Submersible, Free Standing Light Fixture: 300 Watt, 12 Volt	23.0 lbs
418-6LV	270-27167	Submersible, Free Standing Light Fixture: 300 Watt, 12 Volt with Tripod Stand	25.0 lbs
418D-5	270-27142	Wet/Dry, Free Standing Light Fixture: 300 Watt, 120 Volt	25.0 lbs
418D-6	270-27162	Wet/Dry, Free Standing Light Fixture: 300 Watt, 120 Volt with Tripod Stand.	25.0 lbs

Function:

The **418 Prisma Series Submersible Light Fixture** is a free-standing light that can be configured for optimum lighting of any fountain design. It features fully programmable LED lighting technology. 18 high output bulbs are capable of producing of 16.7 million additive colors. Individual Red, Blue, and Green bulbs change intensities to create any color imaginable.

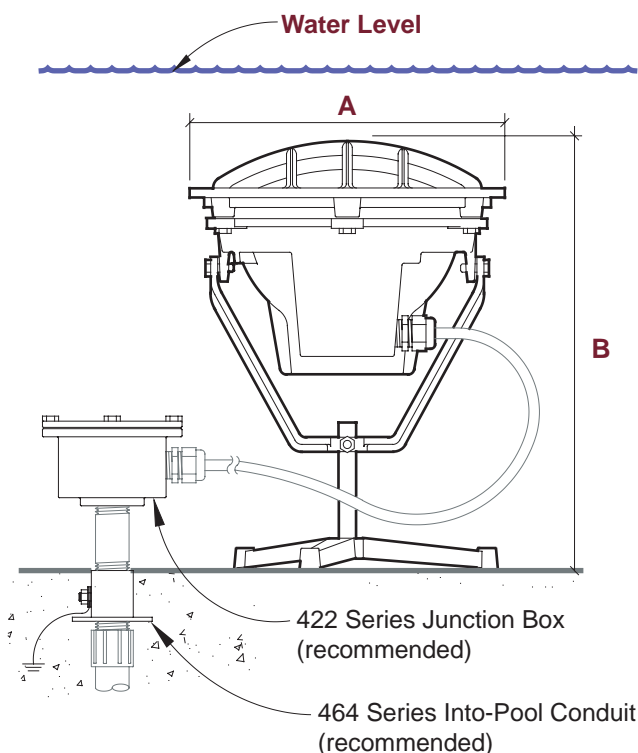


418 Prisma Series

LED Light Fixture

#418-5 Prisma Submersible Light:
Includes 10' of 16/3 underwater cable.

#418-6 Prisma Submersible Light: Same as #418-5 Prisma with the addition of a brass swivel yoke, stem, and tripod assembly.



Model	A	B
All	9- 7/8" DIA	10-1/4" to 14-1/2"

Key Features:

- 24V, 25W max when set to full white.
- Constructed of natural finish cast brass with stainless steel fasteners.
- Lens is tempered, clear glass.
- Includes silicone rubber lens gasket.
- 10' of underwater cable included.
- Brass swivel yoke and adjustable tripod assembly available.
- All models include a thermostat to protect internal components.
- UL listing pending

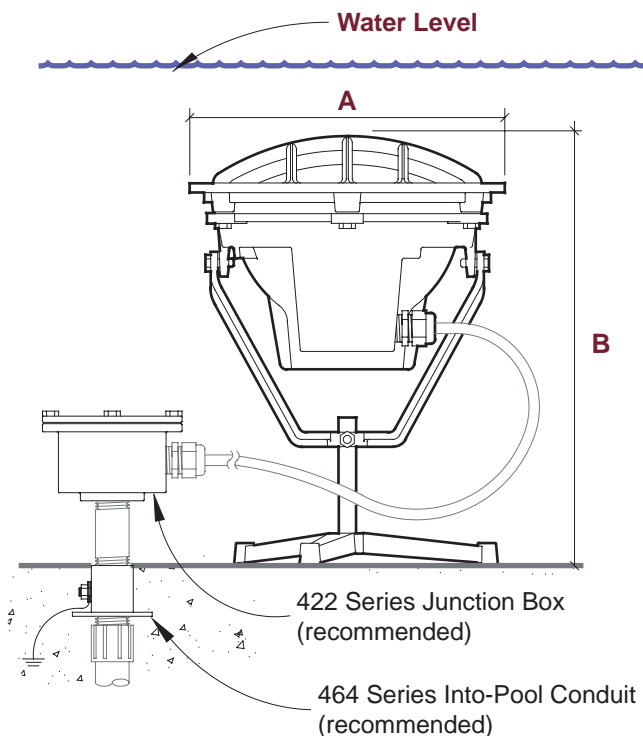
Model	Order #	Description	Shipping Weight
418-5 Prisma	270-27926	Submersible, Free Standing LED Light Fixture	22.0 lbs
418-6 Prisma	270-27931	Submersible, Free Standing LED Light Fixture: with Tripod Stand	24.0 lbs

Accessories / Notes: These fixtures must be used in conjunction with a PDS-150e (up to 6 fixtures) or PDS-60 (up to 2 fixtures) power supply (not shown). Other accessories include a iPlayer3 and a Controller Keypad.

Every project is different and thus, so are the lighting requirements. Please contact a Hobbs Sales Representative for assistance when specifying these parts.

Function:

The **419 Series Submersible Light Fixture** is a free standing fountain light that provides 1,000 watts of illumination. The fixture accepts a PAR 64, mogul-end prong, 120 volt, 1000 Watt lamp which must be purchased separately.



Model	A	B
All	9- 7/8" DIA	10-1/4" to 14-1/2"



419 Series

Light Fixture

#419-5 Submersible Light:
Uses PAR 64, 1000 Watt, 120 Volt lamps.

#419-6 Submersible Light:
Same as #419-5 with the addition of a brass swivel yoke, stem, and tripod assembly.

Key Features:

- With 1000 watts of power, the 419 is our most powerful light fixture.
- Constructed of natural finish cast brass with stainless steel fasteners.
- Includes silicone rubber lamp gasket (a separate lens is not used).
- 10' of 16/3 underwater cable included.
- Brass swivel yoke and adjustable tripod assembly available.
- Lamp not included.
- All models include a thermostat to protect internal components.

Model	Order #	Description	Shipping Weight
419-5	270-27175	Submersible Free Standing Light Fixture: 1000 Watt, 120 Volt	22.0 lbs
419-6	270-27176	Submersible Free Standing Light Fixture: 1000 Watt, 120 Volt with Tripod Stand	24.0 lbs

420B Series

LED Light Fixture

Function:

The **420B Series Submersible LED Light Fixture** is ideally suited as a wall washing fixture. It has a 30° beam angle and is mounted easily to pool floors or walls via an adjustable stand.



#420B-C Submersible Light: 12VDC., R/G/B LED fixture.

#420B-W Submersible Light: 12VDC., All White LED fixture.

Key Features:

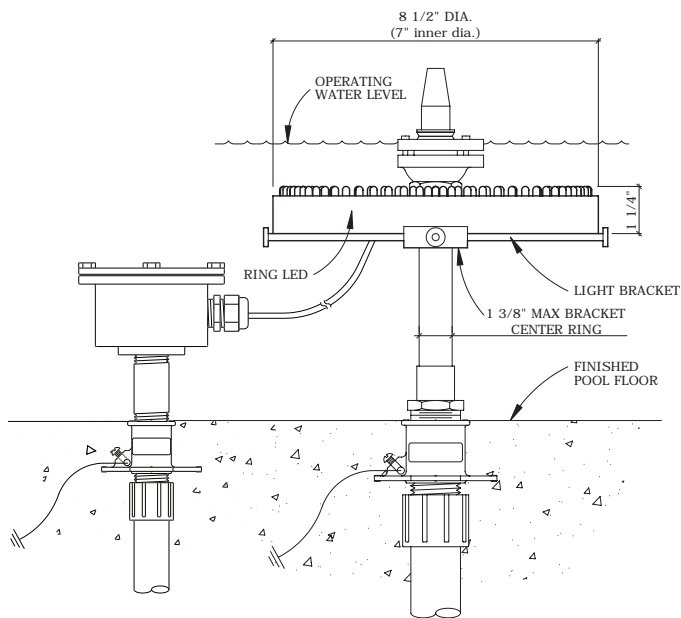
- 168 Ultra-bright LED bulbs
- All white or red/blue/green pre-programmed with selectable options
- Supplied with 33' submersible cord and 120V/12V outdoor transformer
- Molded plastic with tempered glass lens

Model	Order #	Description	Shipping Weight
420B-C	270-27927	wall washing, R/G/B pre-programmed, selectable, 12V	5.0 lbs.
420B-W	270-27930	wall washing, all white, 12V	5.0 lbs.

Accessories / Notes: Every project is different and thus, so are the lighting requirements. Please contact a Hobbs Sales Representative for assistance when specifying these parts.

Function:

The **420R Series Submersible Ring LED Light Fixture** is an ultra-thin, rugged fixture that provides vibrant color or all white light. It's unique design allows for several installation methods and placement possibilities. A spray effect can be placed in the center of the ring for maximum lighting in a submersed or flush mount grating application (see 180 Series Can Jets).



Key Features:

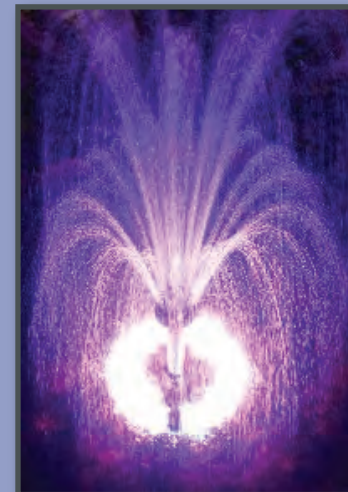
- 120 Ultrabright white, or combination red, blue & green automatically changing bulbs.
- 12 VAC, 5W. Supplied with 120V outdoor transformer if applicable to site specific installation.
- Fully potted, stainless steel construction
- Supplied with mounting bracket for attaching to submersed spray effect (as shown in drawing).
- 33 ft. submersible cord included.

420R Series

LED Light Fixture

#420R-W Submersible Light: 12V, all white LED fixture with 120 bulbs.

#420R-C Submersible Light: 12V, Combination Red, Blue & Green automatically changing LED fixture with 120 bulbs.



Model	Order #	Description	Shipping Weight
420R-W	270-27881	Submersible, Free Standing or Jet Mounted, 12V, All White LED Fixture	2.0 lbs.
420R-C	270-27882	Submersible, Free Standing or Jet Mounted, 12V, Combo Red, Blue, Green Auto-Changing LED Fixture	2.0 lbs.

Accessories / Notes: Junction box and spray effect are not included and are only shown for illustration purposes.

Every project is different and thus, so are the lighting requirements. Please contact a Hobbs Sales Representative for assistance when specifying these parts.

Function:

The **420P Series Submersible LED Light Fixture** is a compact, rugged fixture that provides vibrant color or all white light. This fixture can be used as a spot light to illuminate a single spray effect in a submersed or dry location. It is also used in our flush mount grating applications (see 180 Series Can Jets).



420P Series

LED Light Fixture

#420P-W Submersible LED Light: 12V, 3" dia. all white LED fixture with 72 bulbs.

#420P-Y Submersible LED Light: 12V, 3" dia. all yellow LED fixture with 72 bulbs.

#420P-B Submersible LED Light: 12V, 3" dia. all blue LED fixture with 72 bulbs.

#420P-G Submersible LED Light: 12V, 3" dia. all green LED fixture with 72 bulbs.

#420P-R Submersible LED Light: 12V, 3" dia. all red LED fixture with 72 bulbs.

#420P-C1 Submersible LED Light: 12V, 3" dia. Red/Amber/White Auto Changing LED fixture with 72 bulbs.

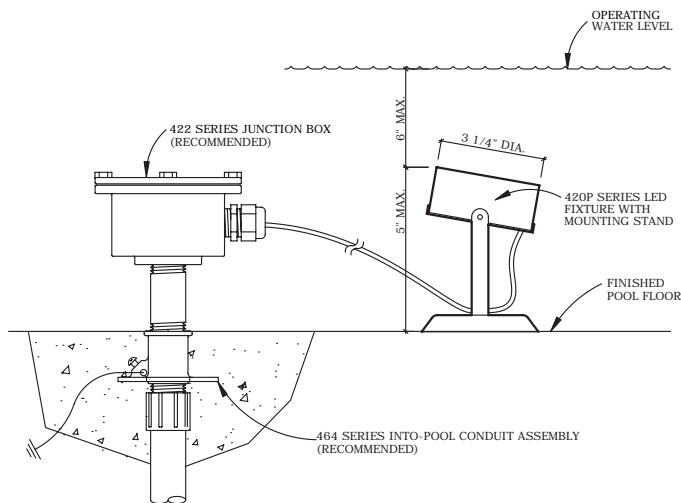
#420P-C2 Submersible LED Light: 12V, 3" dia. Red/Blue/Green Auto Changing LED fixture with 72 bulbs.

#420P-C3 Submersible LED Light: 12V, 3" dia. Red/Blue/White Auto Changing LED fixture with 72 bulbs.

#420P-C4 Submersible LED Light: 12V, 3" dia. Red/Green/White Auto Changing LED fixture with 72 bulbs.

Key Features:

- 72 individual, super-bright LED bulbs. Several color options available.
- 12 VAC, 10W. Supplied with 120V outdoor transformer if applicable to site specific installation.
- Submersible or dry location use.
- 33' submersible cord included.
- Mounting stand included.



Model	Order #	Description	Shipping Weight
420P-W	270-27875	Submersible, Free Standing, 12V, All White LED Fixture	2.0 lbs.
420P-Y	270-27916	Submersible, Free Standing, 12V, All Yellow LED Fixture	2.0 lbs.
420P-B	270-27917	Submersible, Free Standing, 12V, All Blue LED Fixture	2.0 lbs.
420P-G	270-27918	Submersible, Free Standing, 12V, All Green LED Fixture	2.0 lbs.
420P-R	270-27919	Submersible, Free Standing, 12V, All Red LED Fixture	2.0 lbs.
420P-C1	270-27921	Submersible, Free Standing, 12V, Red/Amber/White Auto Changing LED Fixture	2.0 lbs.
420P-C2	270-27922	Submersible, Free Standing, 12V, Red/Blue/Green Auto Changing LED Fixture	2.0 lbs.
420P-C3	270-27923	Submersible, Free Standing, 12V, Red/Blue/White Auto Changing LED Fixture	2.0 lbs.
420P-C4	270-27924	Submersible, Free Standing, 12V, Red/Green/White Auto Changing LED Fixture	2.0 lbs.

Accessories / Notes: Junction box and spray effect are not included and are only shown for illustration purposes.

Every project is different and thus, so are the lighting requirements. Please contact a Hobbs Sales Representative for assistance when specifying these parts.

Toll Free: 1.877.426.4622
Phone: 770.457.3000
Fax: 770.457.4225
www.hobbsfountains.com

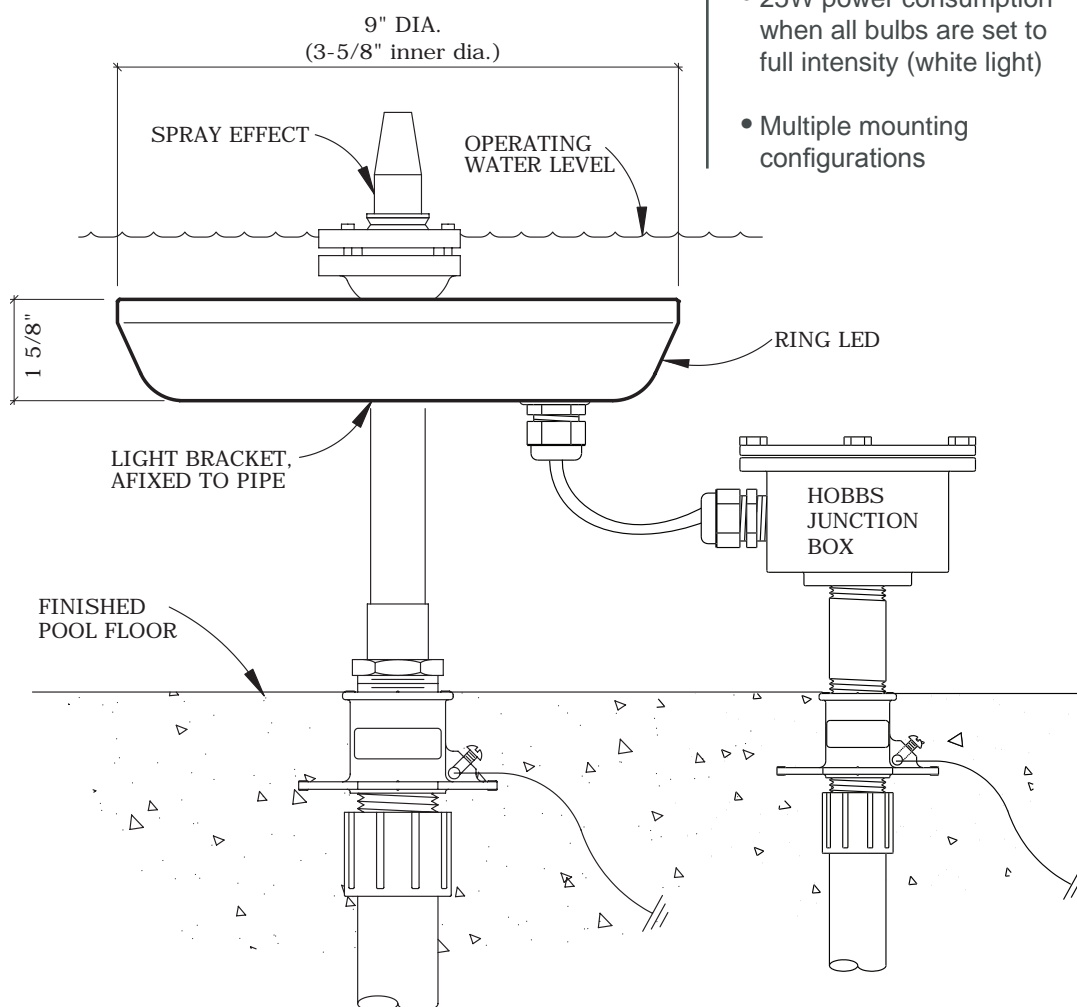
Function:

The **Hobbs Submersible Ring LED Fountain Light Fixture** is a one of a kind fountain lighting solution. It features 18 high output bulbs (15° angle lens) capable of producing of 16.7 million additive colors. Individual Red, Blue, and Green bulbs change intensities to create any color imaginable. The fixture uses a Hobbs DMX control unit capable of controlling up to 5 fixtures per control unit.

The unique Ring Design allows a fountain jet to be placed directly in the middle of the light source which facilitates an even distribution of light along the entire stream of water.

**Key Features:**

- Cast stainless steel outer housing and face ring
- Tempered glass lens
- Controllable with Hobbs DMX Control Unit
- 24VDC
- 25W power consumption when all bulbs are set to full intensity (white light)
- Multiple mounting configurations

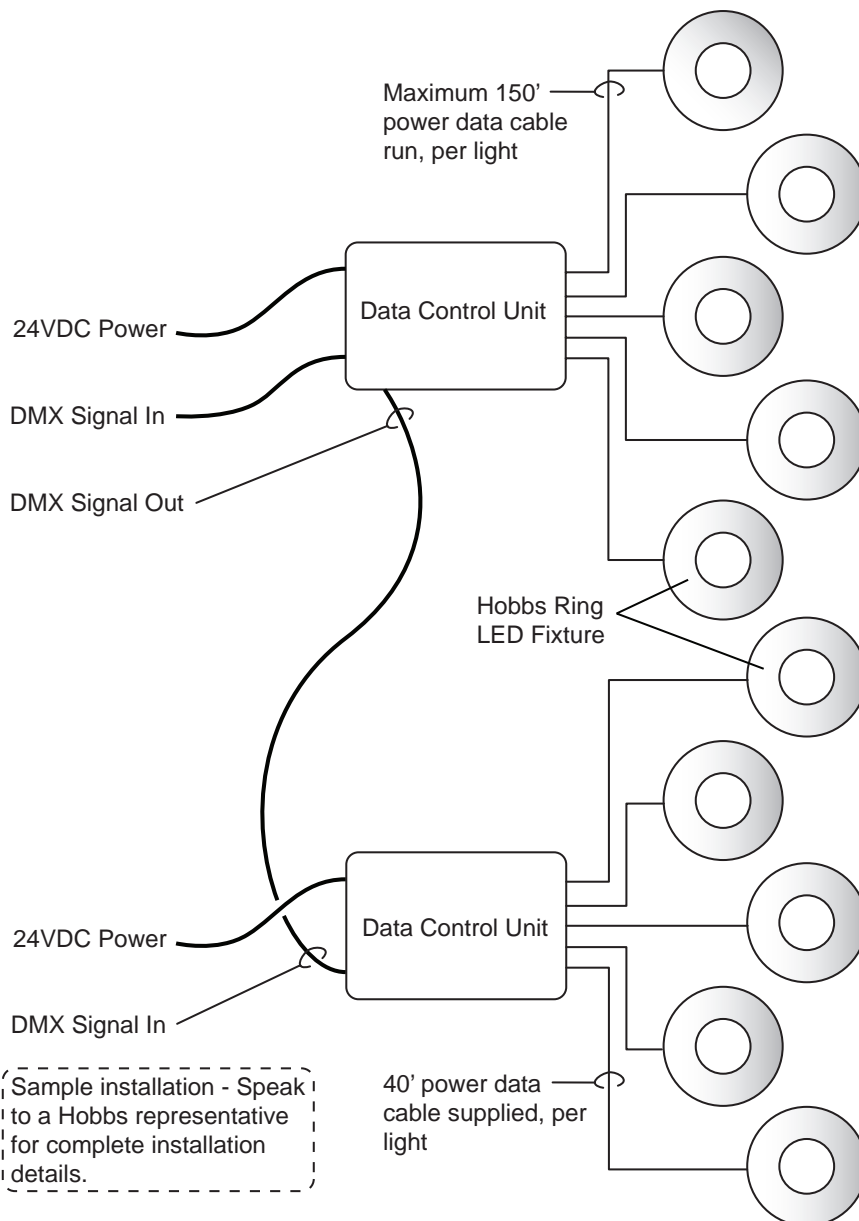


Function:

The **Hobbs DMX Control Unit** is a high powered component which interprets DMX signals and enables the use of Hobbs Ring LED fixtures. Each Control Unit can power up to 5 individual light fixtures at a time. They can be wired together for systems with multiple fixtures. The units accept standard DMX-512 protocol signals from third party software/data devices.

Key Features:

- DMX ready
- Compact size
- Controls up to 5 individual fixtures for complete programming possibilities
- 24VDC input

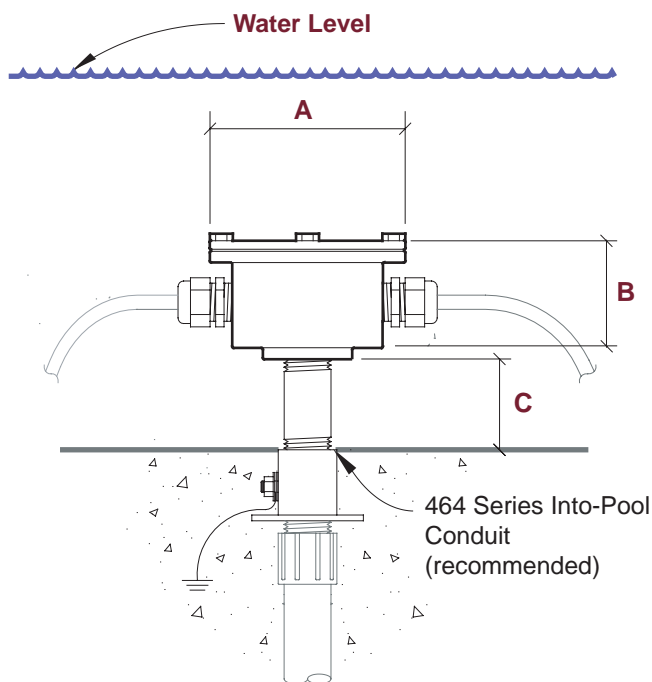


Function:

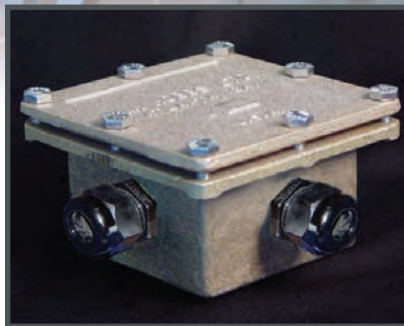
The **422 Series Submersible Junction Box** is designed for the connection of submersible pumps, lights, and other cord-equipped electrical devices to 120 volt conduit systems.

The standard 422 Series Junction Box is supplied with one 3/4" female NPT bottom conduit entry for mounting onto a brass conduit (our 464 Series Into-Pool Conduit Assembly is recommended) extending at least 2" above the pool floor.

The box has four 1/2" side taps and includes four 452-3231 Cord Seals and three 1/2" plugs.



Model	A	B	C
All	4-3/8"	2-5/8"	2"



Key Features:

- 18 cubic inch internal volume.
- Cast bronze construction with stainless steel fasteners and internal ground screws.
- Includes neoprene cover gasket.
- 3/4" female NPT bottom conduit entry.
- Custom size side taps available.

422 Series

Junction Box

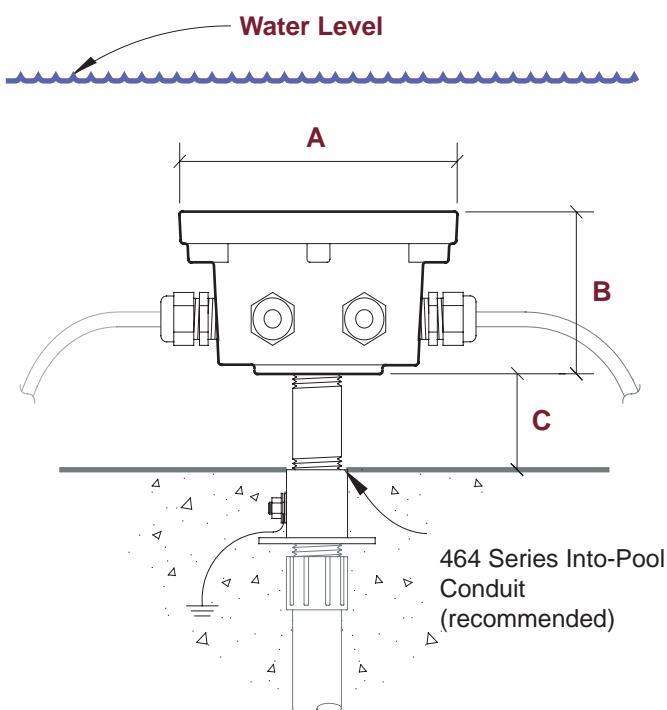
#422-24CS Junction Box:
(4) 1/2" NPT cord seal taps,
(1) 3/4" NPT bottom conduit
tap. Includes (4) #452-3231
Cord Seals and (3) plugs.

Model	Order #	Description	Shipping Weight
422-24CS	270-27233	Submersible Junction Box	7.5 lbs

Function:

The **423 Series Submersible Junction Box** is designed for the connection of submersible pumps, lights, and other cord-equipped electrical devices to conduit systems.

The 423 Submersible Junction Box comes in two versions: the 423-38CS for 120 volt applications, and the 423-304CS for 12 volt applications. Both versions are supplied with a 1" female NPT bottom conduit entry for mounting onto a brass conduit extending at least 2" above the pool floor (our 464 Series Into-Pool Conduit Assembly is recommended).



Model	A	B	C
All	6" Square	3-5/16"	2"



Key Features:

- 36 cubic inch internal volume.
- Versions for 120 and 12 volt systems.
- Cast bronze construction with stainless steel fasteners and internal ground screws.
- Includes neoprene cover gasket.
- 1" female NPT bottom conduit entry.

423 Series

Junction Box

#423-38CS 120 Volt Junction Box: (8) 1/2" NPT cord seal tap. Includes (7) 1/2" plugs and (8) #452-3231 Cord Seals.

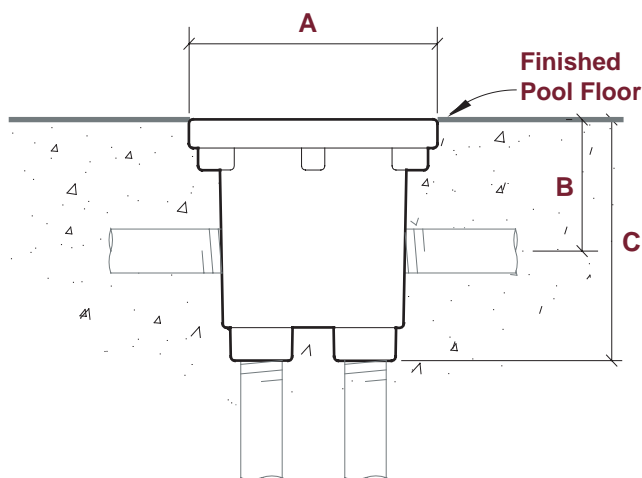
#423-304CS 12 Volt Junction Box: (4) 3/4" NPT cord seal tap. Includes (3) 3/4" plugs and (4) #452-3234 Cord Seals.

Model	Order #	Description	Shipping Weight
423-38CS	270-27315	120 Volt Junction Box with (1) 1" Bottom Tap; (8) 1/2" Side Taps; (8) #452- 3231 Cord Seals; (7) Plugs	11.5 lbs
423-304CS	270-27366	12 Volt Junction Box with (1) 1" Bottom Tap; (4) 3/4" Side Taps; (4) #452-3234 Cord Seals; (3) Plugs	10.5 lbs

Function:

The **431 Series Submersible Deck Boxes** are designed for the connection of our 411 Series Wet Niche Light or any other type of niche mounted light fixture. The boxes can also be used to consolidate the wiring and conduit runs from junction boxes prior to a "home run" to the control panel.

The standard box is supplied with two 3/4" NPT side conduit taps, four 3/4" NPT bottom fixture taps, internal fixture grounding/bonding screws, and an external bonding screw. Unused penetrations can be plugged or the box can be special ordered with the required penetrations. The junction box taps have internal strain relief/cord seals for 16-3 submersible cable.



Model	A	B
All	6" Square	5-1/2"



431 Series

Deck Box

#431-424 Submersible Deck Box: Two 3/4" NPT side conduit taps; four 3/4" NPT bottom fixture conduit taps with internal strain relief/cord seals.

Key Features:

- 60 cubic inch internal volume.
- Cast bronze construction with stainless steel fasteners and internal ground screws.
- Includes neoprene cover gasket.

Model	Order #	Description	Shipping Weight
431-424	270-27378	Junction Box with (2) 1" N.P.T. Side Taps and (4) 3/4" Bottom Taps with internal strain cord seals	18.0 lbs
431-4249	270-27414	Junction Box with (2) 1" N.P.T. Side Taps and (4) 3/4" Bottom Taps	18.0 lbs

Function:

The Hobbs Series 402 Cord Seals are non-metallic, low profile cable glands that are UL Listed. They are constructed of black nylon 6 material, and are suited for NEMA 4 enclosures. The 402 cord seals ensure a water tight cable connection even in pressured water.



Key Features:

- nylon 6 construction
- UL Listed
- suited for NEMA 4 connections
- Male NPT connection

452 Series

Cord Seals

#452-38-B Cord Seal:

Nylon construction with 3/8" Male NPT Connection.

#452-12-B Cord Seal:

Nylon construction with 1/2" Male NPT Connection.

#452-34-B Cord Seal:

Nylon construction with 3/4" Male NPT Connection.

#452-01-B Cord Seal:

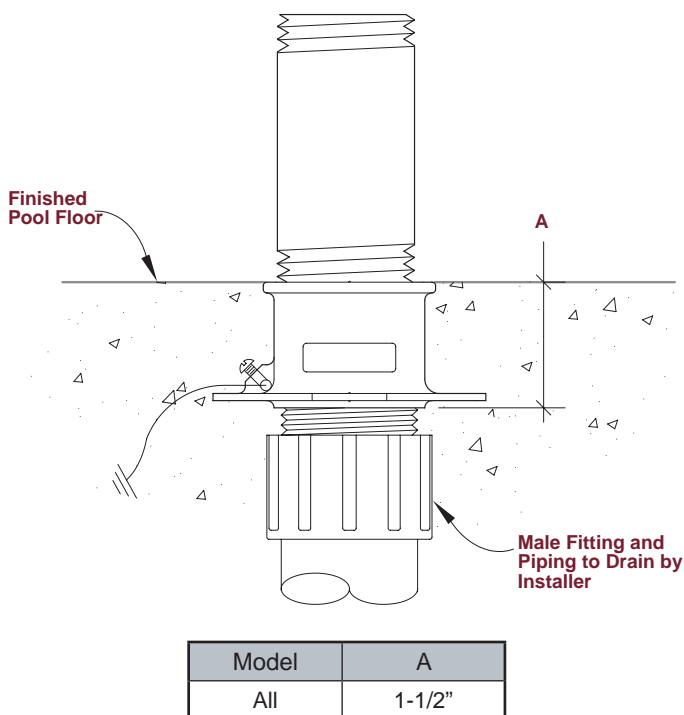
Nylon construction with 1" Male NPT Connection.

Model	Order #	Description	Shipping Weight
452-38-B	270-27457	3/8" Male NPT Cord Seal, Black	0.25 lbs.
452-12-B	270-27458	1/2" Male NPT Cord Seal, Black	0.25 lbs.
452-34-B	270-27459	3/4" Male NPT Cord Seal, Black	0.25 lbs.
452-01-B	270-27460	1" Male NPT Cord Seal, Black	0.25 lbs.

Function:

The **464 Series Stainless Steel Into-Pool Conduit Assembly** provides a rigid, non-corrosive NPT conduit termination into pools, on which to mount submersible junction boxes and standard electrical fittings.

The in-slab main body provides a female threaded, noncorrosive penetration through the pool floor or wall, terminating flush with the water-side surface. The above-slab portion consists of a 3" long brass nipple, factory-installed into the coupling to be watertight.



Key Features:

- Non-corrosive stainless steel and brass construction.
- 3/4" to 2" sizes available.

464 Series

Into-Pool Conduit Assembly

#464-07 Into-Pool Conduit Assembly: 3/4" female NPT connection.

#464-10 Into-Pool Conduit Assembly: 1" female NPT connection.

#464-15 Into-Pool Conduit Assembly: 1 1/2" female NPT connection.

#464-20 Into-Pool Conduit Assembly: 2" female NPT connection.

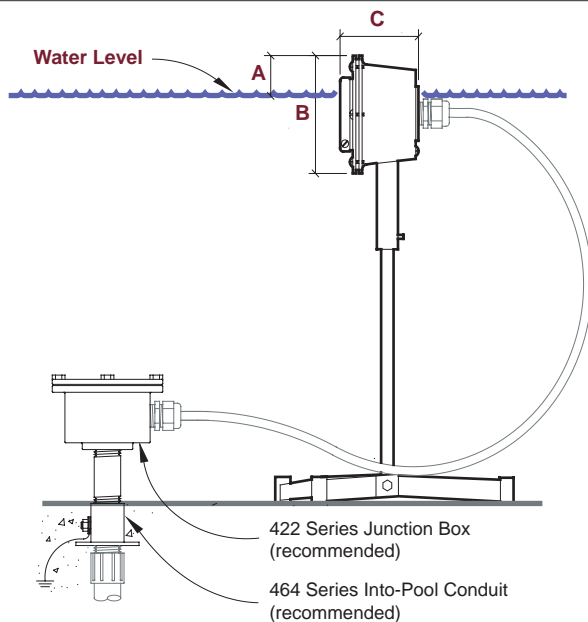
Model	Order #	Description	Shipping Weight
464-07	270-27594	3/4" SS Into-Pool Conduit Assembly with 3/4" Brass Nipple x 3" Long.	2.0 lbs
464-10	270-27595	1" SS Into-Pool Conduit Assembly with 1" Brass Nipple x 3" Long.	2.0 lbs
464-15	270-27596	1 1/2" SS Into-Pool Conduit Assembly with 1" Brass Nipple x 3" Long.	2.0 lbs
464-20	270-27597	2" SS Into-Pool Conduit Assembly with 1" Brass Nipple x 3" Long.	2.0 lbs

Function:

The **484 Series Free Standing Water Level Sensor** provides a safe method of electronically maintaining the fountain water level and providing low-water protection for submersible electrical equipment and/or fountain pumps, as required by the National Electric Code, Article 680. The sensor includes an adjustable brass stand with tripod base, allowing it to be installed almost anywhere in the pool.

When the water level drops, the Water Level Sensor and Monitor will signal the solenoid valve to open and refill the pool to the required level. If the solenoid valve is not notified and/or the water level continues to drop, the Low-Water Cut Off Sensor and Monitor will shut-off the electrical equipment (pumps and underwater lights). Both functions automatically return the controlled items to "normal" operating mode upon restoration of the proper water level.

The system utilizes solid state monitors and noncorroding sensors with stainless steel probes, resulting in no moving parts. Both the level control and cutoff functions are combined into one pool-mounted sensor with two probes. We normally provide these systems as part of a pre-assembled and tested package, with the appropriate monitor(s), relays and breakers built into the control panel for the fountain.



Key Features:

- Includes adjustable brass stand with tripod base.
- Includes two nylon isolated, stainless steel probes and copper probe chamber.
- Housing and faceplate are cast bronze and utilize neoprene gasket and stainless steel fasteners.
- Ideally suited to replace old, nonfunctional, electronic water level sensors or to add required low water protection to existing pool lacking this feature.
- Note: Requires 487 Series Water Level Monitor for proper operation (sold separately).

Model	A	B	C
All	1-1/2"	4-3/8" Sq.	3-1/8"

484 Series

Free Standing Water Level Sensor

#484-311A Free-Standing Water Level Sensor: 3/4"
N.P.T. bottom connection.
Includes 50 feet of 18/3 type submersible cord.

#484-311B Free-Standing Water Level Sensor: 3/4"
N.P.T. bottom connection.
Includes 100 feet of 18/3 type submersible cord.

#484-311C Free-Standing Water Level Sensor: 3/4"
N.P.T. bottom connection.
Includes 150 feet of 18/3 type submersible cord.

Model	Order #	Description	Shipping Weight
484-311A	270-27540	Free Standing Water Level Sensor with 50 Feet 18/3 Cord.	11.0 lbs
484-311B	270-27541	Free Standing Water Level Sensor with 100 Feet 18/3 Cord.	14.0 lbs
484-311C	270-27542	Free Standing Water Level Sensor with 150 Feet 18/3 Cord.	17.0 lbs
487-3	270-27576	Replacement Water Level Probe	2.0 lbs

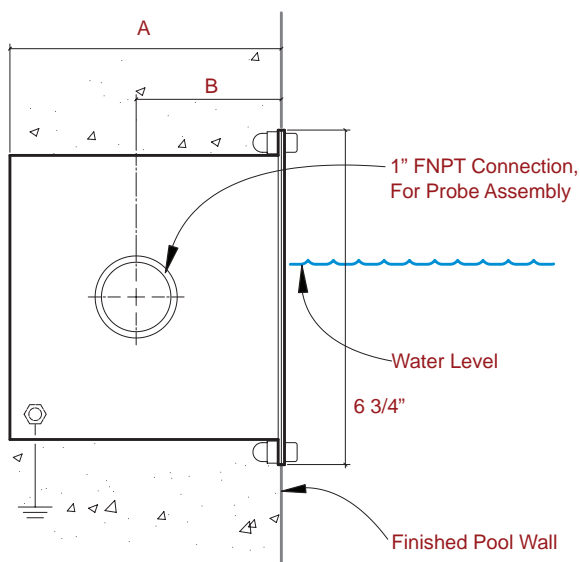
Toll Free: 1.877.426.4622
Phone: 770.457.3000
Fax: 770.457.4225
www.hobbsfountains.com

Function:

The **486 Stainless Steel Water Level Sensor** provides a safe method of electronically maintaining the fountain water level and providing low-water protection for submersible electrical equipment and/or fountain pumps, as required by the National Electric Code, Article 680. The sensor is made of stainless steel, and is mounted on the wall of pools.

When the water level drops, the Water Level Sensor and Monitor will signal the solenoid valve to open and refill the pool to the required level. If the solenoid valve is not notified and/or the water level continues to drop, the Low-Water Cut Off Sensor and Monitor will shut-off the electrical equipment (pumps and underwater lights). Both functions automatically return the controlled items to "normal" operating mode upon restoration of the proper water level.

The system utilizes solid state monitors and noncorroding sensors with stainless steel probes, resulting in no moving parts. Both the level control and cutoff functions are combined into one pool-mounted sensor with two probes. We normally provide these systems as part of a pre-assembled and tested package, with the appropriate monitor(s), relays and breakers built into the control panel for the fountain.



Key Features:

- 16-gauge stainless steel, in-wall mounted enclosure with 1" FNPT conduit side connection and bonding stud.
- Probe assembly consists of a 1" MNPT PVC body, two stainless steel probes; and a brass nameplate/ common probe.
- Includes #18/3 Type SJTO PVC-jacketed cord, epoxy-sealed into the probe assembly.
- Requires our #487-3 monitor and solenoid-type fill valve.

Model	A	B
All	5-3/8"	2-7/8"

486 Series

Level Control Sensor

#486-200A Water Level Sensor: 1" sensor connection; 50 feet of #18/3 Type SJTO cord.

#486-200B Water Level Sensor: 1" sensor connection; 100 feet of #18/3 Type SJTO cord.

#486-200C Water Level Sensor: 1" sensor connection; 150 feet of #18/3 Type SJTO cord.

#486-200D Water Level Sensor: 1" sensor connection; 200 feet of #18/3 Type SJTO cord.

#486-200E Water Level Sensor: 1" sensor connection; 250 feet of #18/3 Type SJTO cord.

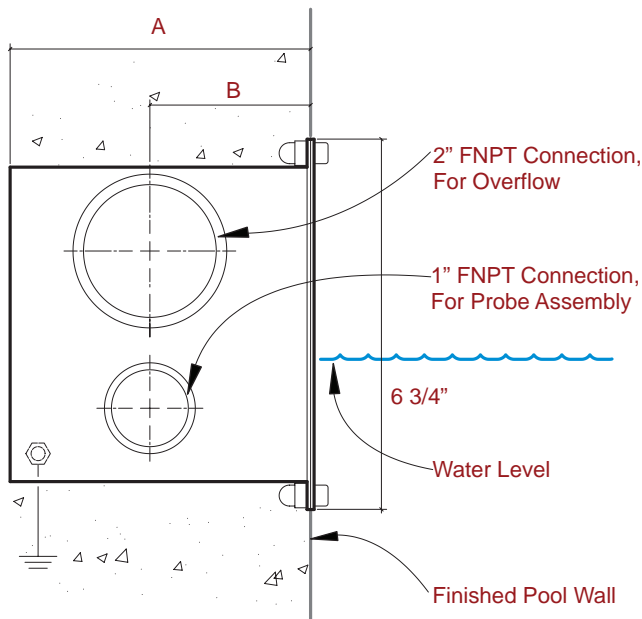
Model	Order #	Description	Shipping Weight
486-200A	270-27901	Water Level Sensor with 50 Feet #18/3 Cord.	9.0 lbs
486-200B	270-27902	Water Level Sensor with 100 Feet #18/3 Cord.	12.0 lbs
486-200C	270-27903	Water Level Sensor with 150 Feet #18/3 Cord	15.0 lbs
486-200D	270-27904	Water Level Sensor with 200 Feet #18/3 Cord	17.0 lbs
486-200E	270-27905	Water Level Sensor with 250 Feet #18/3 Cord	20.0 lbs

Toll Free: 1.877.426.4622
 Phone: 770.457.3000
 Fax: 770.457.4225
www.hobbsfountains.com

Function:

The **486 Stainless Steel Series Water Level Sensor Combo** serves the same basic function as the 484 Series Sensors (see 486 Series Water Level Sensor Assembly for more details) but has additional features, the most obvious being its stainless steel construction and pleasing aesthetics.

We offer two types of the 486 Series Water Level Sensor: the #486-200 Water Level Sensor, and the #486-F211, which is a combination water level sensor and overflow designed for single level pools with less than 350 sq. ft. of surface area. Both sensors utilize the same size housing assembly.



Model	A	B
All	5-3/8"	2-7/8"

486-F211 shown in detail and image.



Key Features:

- 16-gauge stainless steel, in-wall mounted enclosure with 1" FNPT conduit side connection and bonding stud.
- Probe assembly consists of a 1" MNPT PVC body, two stainless steel probes; and a brass nameplate/ common probe.
- Includes #18/3 Type SJTO PVC-jacketed cord, epoxy-sealed into the probe assembly.
- Requires our #487-3 monitor and solenoid-type fill valve.

486 Series

Level Control Sensor Combo

#486-F211A Water Level Sensor/Overflow: 50 feet of #18/3 Type SJTO cord; 2" F.N.P.T. overflow connection.

#486-F211B Water Level Sensor/Overflow: 100 feet of #18/3 Type SJTO cord; 2" F.N.P.T. overflow connection.

#486-F211C Water Level Sensor/Overflow: 150 feet of #18/3 Type SJTO cord; 2" F.N.P.T. overflow connection.

#486-F211D Water Level Sensor/Overflow: 200 feet of #18/3 Type SJTO cord; 2" F.N.P.T. overflow connection.

#486-F211E Water Level Sensor/Overflow: 250 feet of #18/3 Type SJTO cord; 2" F.N.P.T. overflow connection.

Model	Order #	Description	Shipping Weight
486-F211A	270-27892	Water Level Sensor/Overflow with 50 Feet #18/3 Cord.	9.0 lbs
486-F211B	270-27893	Water Level Sensor/ Overflow with 100 Feet #18/3 Cord.	12.0 lbs
486-F211C	270-27894	Water Level Sensor/ Overflow with 150 Feet #18/3 Cord	15.0 lbs
486-F211D	270-27895	Water Level Sensor/ Overflow with 200 Feet #18/3 Cord	17.0 lbs
486-F211E	270-27896	Water Level Sensor/ Overflow with 250 Feet #18/3 Cord	20.0 lbs
487-3	270-27576	Water Level Monitor (required for all 486 Sensors)	2.0 lbs

492 Series

Wind Compensation System

Function:

The primary function of the **492 Series Wind Compensation System** is to reduce or eliminate water loss due to the spray blown from the pool. This is achieved by automatically reducing the height of the spray and/or turning the pump off.

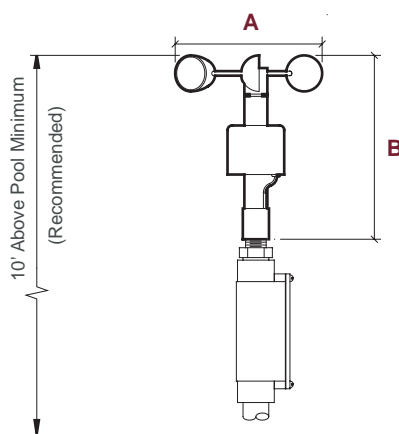
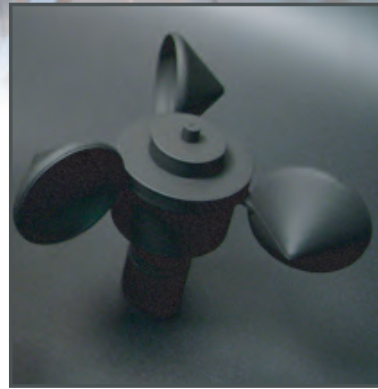
Design Considerations:

492 Series Wind Compensation System panels are solid state and provide an L.E.D. digital readout of the wind velocity in miles per hour. There are two panel versions available: the #492-13, which is pre-mounted in a clear cover, carbonate and phenolic resin enclosure, and the #492-14, a panel/door mount system typically used with one of our custom control panels.

Each panel has two stages, each with dial-adjustable wind velocity actuation points, "auto-off-manual" function switch and a "high wind" pilot light to indicate stage actuation. Stage one is used to reduce the water effect height in moderate wind conditions, and stage two is used to deactivate the fountain pump in high wind conditions. The sets of internal switches for the two stages are identical, but independent of each other; therefore, just one stage may be used with the other remaining as an alternate.

There is a delay circuit built into the unit to read the wind speed after a stage is activated (90 seconds for the first stage and from 30 - 350 seconds for the second stage). If the wind velocity drops and stays below the setting on the dial for the designated reading interval, the stage will deactivate, allowing the fountain to resume normal operation. If the wind velocity stays above, or drops below then again exceeds the velocity setting during the full reading interval, the stage will remain activated and another reading interval will start.

Please consult one of our designers if further assistance is needed to install a wind compensation system with your fountain.



Model	A	B
All	6" O.D.	7-1/2"



Specifications:

#492-13 Wind Compensation System: Solid state; three-digit LED readout of wind speed in MPH; input terminals for one, two or three anemometers, with an LED pilot for each to indicate rotation status; three interior troubleshooting LED's for anemometer operational status; two independent Stages, each with dial-adjustable wind velocity actuation point (up to 25 MPH), "Auto-Off-Manual" function switch, and a "high wind" LED pilot to indicate stage actuation status; Stage 1 has a fixed 90-second delay in de-actuation time, and Stage 2 has a set screw-variable 30- to 300-second delay in de-actuation time; each stage has an output relay with one normally open and one normally closed set of contacts; each rated @ 10 Amps at 240 Volts AC; input power range is 100 to 250 Volts AC at 50/60 Hertz; side-hinged PVC front faceplate permits easy access to the internal, coded, screw clamp terminal strip, housed in a NEMA 4 UL-Listed gray poly carbonate enclosure with clear polycarbonate cover, and 1/2" and 3/4" knockouts for conduit connection. (Note: Specify #492-22 Anemometer separately).

#492-14 Wind Compensation System: Same as #492-13, except 'the electronics and a coded, screw clamp terminal strip are attached to the back side of the PVC faceplate which is screw-mounted to an opening in the door of the main fountain control panel; mounted over and around the faceplate, with an O-ring for a watertight seal, is a NEMA 4, gasketed, hinged inspection window with a light gray polycarbonate frame and a transparent smoked polycarbonate cover; door-mounted terminal strip is prewired to the main control panel's terminal strip.' in lieu of 'side-hinged PVC front faceplate permits easy access to the internal, coded, screw clamp terminal strip, housed in a NEMA 4 UL-Listed gray poly carbonate enclosure with clear polycarbonate cover, and 1/2" and 3/4" knockouts for conduit connection'. (Note: Specify #492-22 Anemometer separately).

#492-22 Anemometer: Balanced, one-piece, three-cup lexan rotating assembly; sine wave 9 volts RMS AC (alternating current) generator, with lexan and PVC sealed body; corrosion resistant bearings and shaft; 1/2" female NPT connection; 12" of 18/2 cable (Note: Shielded cable required to complete installation. Specify separately.).

Model	Order #	Description	Shipping Weight
492-13	940-94973	Wind Compensation System: Gray Polycarbonate Enclosure with Clear Polycarbonate cover (Requires #492-22 Anemometer)	5.0 lbs
492-14	940-94974	Wind Compensation System: Panel/ Door Mount (Requires #94971 Anemometer)	4.0 lbs
492-22	940-94971	Wind Anemometer	1.0 lbs
492-3100	930- 93213	100 Feet of 18/2 Shielded Cable	3.0 lbs

Function:

The **Custom Control Panel** is designed and manufactured on an individual project basis. Each U.L. Listed panel is delivered pre-wired, pre-assembled and tested. All panels include three-position main operation cam switches, pilot lights indicating the operational status of the fountain, combination motor starter for the fountain pumps, and contractors and overload relays rated to match the fountain pump size.

If the fountain is equipped with lighting, the panel will include lighting circuits rated at 115/230 volt AC single phase with door mounted pilot lights indicating the status of the fountain's lighting system.

The water level control monitor is integrated into the custom control panel on projects utilizing the 484 Series or 486 Series Water Level Sensors.

For fountains which have a wind compensation system, the wind compensation panel is mounted on the door of the panel for easy access.

Please contact our office for assistance in designing a Custom Control Panel which meets your fountain project requirements.



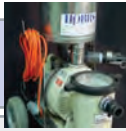
Key Features:

- Custom built for your application.
- Delivered pre-wired, pre-assembled, and pre-tested.
- Panels are U.L. Listed.

Custom Electrical

Custom Control Panel

518-010 Series Cart Pak	5-2
519-010 Series Maintenance Kit	5-3



500 Series

Maintenance Products

In order for any well designed fountain to remain effective during its lifetime, it must undergo routine cleaning. Our 500 Series contains the parts needed for the cleaning of most fountains.

Function:

The **518 Series CART-PAK** provides an all-inclusive cleaning solution for fountains that have multiple pool levels, large or irregularly shaped pools, or no vacuum function through the installed filter system.

The system consists of an easy to transport, stainless steel hand truck that contains suction equipment like the pump and filter. The included quick connect hoses and extension poles are attached to this hand truck, allowing the use of the included vacuum head, leaf skimmer, or cleaning brush.



Key Features:

- Stainless steel hand truck with rubber tires.
- 1 horsepower, 115 volt motor and 105 GPM cartridge filter.
- Includes brass vacuum head, aluminum frame leaf skimmer, and cleaning brush.
- Includes quick connect hose, all necessary fittings, and telescoping aluminum poles for attachment of accessories.

518-010 Series

Cart Pak

518-010 Cart-Pak: Stainless steel hand truck with rubber tires; 1 horsepower, 115 volt, all plastic pump with 1-1/2" suction; toggle ON-OFF switch; 25 feet of Type SJTW-A 14/3 cord with three-prong, grounding plug; 105 GPM stainless steel cartridge filter (1-1/2" discharge, with spare element); 1-1/2" suction hose assembly with 40 feet of reinforced hose with cuffs; quick coupling hose connectors and fittings; 18" brass, wheel equipped vacuum head with check valve and pole bracket connector and hardware; telescoping aluminum pole; 1-1/2" discharge hose assembly with 25 feet of reinforced hose with cuffs; quick-coupling hose connectors and fittings; "neutral thrust" outlet tee; brush and leaf skimmer assembly, with 18" deluxe, curved brush; aluminum-frame leaf skimmer; two telescoping aluminum poles.

Model	Order #	Description	Shipping Weight
518-010	580-58000	CART-PAK Assembly	150.0 lbs

Function:

The **519 Series Maintenance Kit** includes everything needed to clean fountains with a vacuum function through a built-in fountain filter system.

The Maintenance Kit includes a brush kit, vacuum kit, and leaf skimmer assembly. The brush kit allows cleaning of the pool walls and removal of stubborn materials from the pool floor. The vacuum kit interconnects with a filter system and facilitates vacuuming debris off the pool floor. The leaf skimmer allows for removal of floating leaves and other floating trash.



Key Features:

- Includes cleaning brush, vacuum head, leaf skimmer, and telescoping aluminum poles.
- Includes 40 feet of 1-1/2" floating vacuum hose.

519-010 Series

Maintenance Kit

#519-010 Maintenance Kit: 18" deluxe curved, white back, blue bristle brush with bracket connection; 18" chrome plated cast brass vacuum head with four wheels and brush; 1-1/2" x 40' floating vacuum hose with leak proof cuff and chrome plated, swivel hose-to-wall adapter; leaf skimmer with aluminum frame band bracket connection; three telescoping aluminum poles.

Model	Order #	Description	Shipping Weight
519-010	580-58110	Maintenance Kit	30.0 lbs

ePAK Series Intro	6-2	
600e Bronze Series	6-4	
600e Silver Series	6-5	
610e Bronze Series	6-6	
610e Silver Series	6-7	
620e Bronze Series	6-8	
620e Silver Series	6-9	
600-0200 Series Fill Level Manifolds	6-10	
660-0200 Series Fill Level Manifolds	6-11	
600 Series Station Hatches	6-12	
630 Series 3-PAK Pumping Station	6-13	
640 Series 4-PAK Pumping Station	6-14	
660 Series 6, 8 & 10-PAK Pumping Stations	6-15	

600 Series

Pump Stations



Function:

The **600e / 610e / 620e Series Filter and Display systems** are self-contained, pre-engineered underground pump vault systems designed for overall construction cost savings, as well as minimal maintenance upkeep.

Each ePAK arrives at the jobsite assembled, tested, and ready to set in place for a quick “fast track” installation. The fountain mechanical and electrical support equipment is housed in a corrosion-proof, water resistant fiberglass vault. All internal components are pre-installed, pre-wired and pre-valved, with leak-resistant penetrations through the exterior shell wall. Each penetration is labeled to correspond to the proper pipe or conduit that is to run to or from the vault, and as indicated in our complete installation drawing package.

Each vault can be conveniently located underground near the fountain resulting in cost savings on piping, wiring and labor. An ePAK is also an economical alternative in applications where leasable space would be required for an equipment room.

ePAKs are available in two standard sizes: 4PAK and 6PAK. A 4PAK can house a single 610e or 620e Filter system. A 6PAK can house either a 610e or 620e Filter system as well as a 600e Display system.

600e / 610e / 620e Series ePAKs are split into three main categories based on construction materials and component selection in order to meet specific requirements of a particular job. The **Bronze Series (B)** uses schedule 40 PVC components where possible. The **Silver Series (S)** uses schedule 80 PVC where possible. The **Gold Series (G)** is the industry standard for a truly custom and purpose-built fountain system. These three levels ensure that we are able to produce a system flexible enough to meet even the tightest project budgets.

Specifications:

Each ePAK is designed and manufactured with the following required equipment and optional standards.

4PAK or 6PAK fiberglass shell with an aluminum access hatch featuring a landscape style door

Vent Fan System -

4-PAK

- 4" PVC inlet / outlet fitting with 106 CFM fan (120 volt, 0.20 amp, 3,000 RPM motor)

6-PAK

- 6" PVC inlet / outlet fitting with 549 CFM fan (115 volt, 3.25 amp, 1570 RPM motor)

Sump Pump (Standard with 6PAK, Optional with 4PAK) -

- Float operated, submersible (NEMA 6) mechanical switch with plastic housing
- U.L. listed 3-wire cord and plug
- Light blue epoxy-coated cast iron motor and pump housing
- 120 volt, 7.7 amp oil-filled motor, hermetically sealed
- PVC discharge assembly, 1-1/2" union/check valve and 1-1/2" NPT connection
- **Assemblies that do not include the optional sump pump must have gravity slope and check valve provided by installer on the drain line. Hobbs is not responsible for flooded vaults if this is not installed as described.*

Electrical Control Panel -

- Delivered pre-wired and factory tested
- Controls pump on/off, optional water level control, and optional fountain lighting
- 1 and 3 phase versions, based on pump requirements
- 1 and 3 phase panels can control up to (3) 500W lights or (5) 300W lights



WHAT'S WITH THE 'E'?

Effective: These systems deliver everything you'd expect from a world-class fountain manufacturer.

Economical: ePAKs are pre-engineered and assembled. Taking all the guess work out of the process saves you money.

Effortless: All systems are pretested and delivered to the jobsite ready to perform.

Efficient: Careful selection of energy efficient components and green friendly fabrication ensure that these systems make as little an impact as possible on our environment.



Water Fill / Level Manifold (Optional) -

- Hobbs 600e-BS 3/4" Fill/Level Manifold
- Type "K" copper construction
- 120V, single phase, slow-closing 'make-up' valve
- * *Installer is responsible for back flow preventor and pressure reducing valve on incoming water line.*



Additional items with 6PAKs include:

- Access light
- 8' fiberglass access ladder

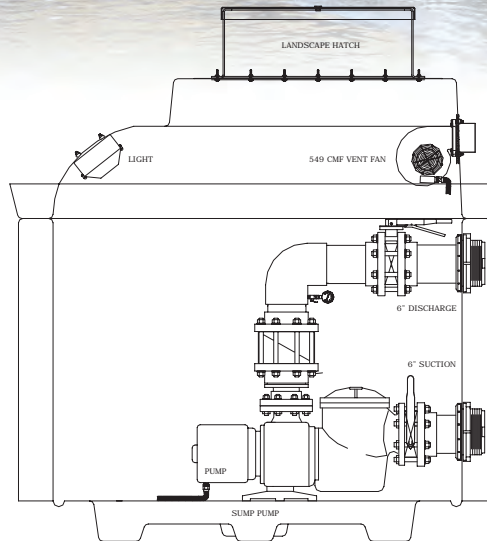


Model	Order #	Underground Vault Sizes	Ship Weight
600e-04	600-60516	4 PAK Fiberglass Vault Assembly	N/A
600e-06	600-60517	6 PAK Fiberglass Vault Assembly	N/A
Control Panel Options			
ePanel1	940-94992	1 ϕ eSeries Control Panel without Fill / Level Manifold	N/A
ePanel2	940-95005	1 ϕ eSeries Control Panel with Fill / Level Manifold	N/A
ePanel3	940-95003	3 ϕ eSeries Control Panel without Fill / Level Manifold	N/A
ePanel4	940-95002	3 ϕ eSeries Control Panel with Fill / Level Manifold	N/A
Optional Equipment			
600e-BS	680-69678	3/4" Fill / Level Manifold Assembly	N/A



Function:

The **600e Bronze Series Display System** is our most economical underground vault display pump system available. Made using schedule 40 PVC piping and fittings where possible, it features high quality components and reliable construction all housed in a water tight, fiberglass vault with aluminum access hatch. This system provides one suction and one discharge for large spray effects and water fountains. *This system can only be housed in a 6PAK vault. (as shown)*



600e Pump Options -

- Hobbs 320-HP: 5 HP Centrifugal Pump. 3 phase power
or
- Hobbs 315-24: 5 through 20 HP Bronze Pump. 3 phase power
- 208-230/460V available. Installer must provide additional 120V line for 460V systems
- Basket strainer included
- Standard system includes selected PAK size, selected pump size, discharge assembly with 6" waffer-style check valve and infinite position butterfly valve, and suction assembly with a 6" 10 position butterfly valve. *NOTE: The 600e-051-3-B system has 4" discharge and suction assemblies.*
- Bulkhead fittings are placed at suction and discharge points on PAK walls for installer piping to fountain.
- Control panel requirements vary depending on pump selection. A control panel is required for all systems.

PUMP INFORMATION:

5 HP; 3 Phase; 208-230/460V;
Delivers 195 GPM at 60 feet of head, 155 GPM at 80 feet of head, 100 GPM at 95 feet of head.

5 HP; 3 Phase; 208-230/460V;
Delivers 350 GPM at 30 feet of head, 295 GPM at 50 feet of head, 205 GPM at 70 feet of head.

7-1/2 HP; 3 Phase; 208-230/460V;
Delivers 503 GPM at 30 feet of head, 450 GPM at 50 feet of head, 370 GPM at 70 feet of head.

10 HP; 3 Phase; 208-230/460V;
Delivers 625 GPM at 30 feet of head, 570 GPM at 50 feet of head, 375 GPM at 90 feet of head.

15HP; 3 Phase; 208-230/460V;
Delivers 640 GPM at 50 feet of head, 590 GPM at 70 feet of head, 330 GPM at 120 feet of head.

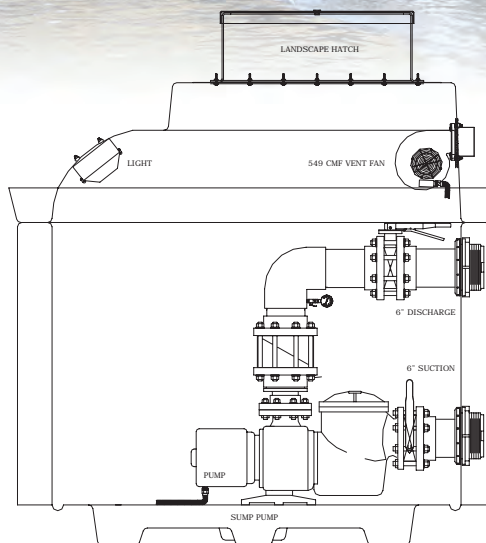
20 HP; 3 Phase; 208-230/460V;
Delivers 730 GPM at 50 feet of head, 690 GPM at 70 feet of head, 450 GPM at 120 feet of head.

Model	Order #	Description
600e-051-3-B	680-69756	Bronze Series, 5 HP, 3 ϕ , Display System for ePAK (Thermoplastic Pump) - 4" discharge / 4" suction
600e-050-3-B	680-69758	Bronze Series, 5 HP, 3 ϕ , Display System for ePAK (Bronze Pump) - 6" discharge / 6" suction
600e-075-3-B	680-69760	Bronze Series, 7-1/2 HP, 3 ϕ , Display System for ePAK (Bronze Pump) - 6" discharge / 6" suction
600e-100-3-B	680-69762	Bronze Series, 10 HP, 3 ϕ , Display System for ePAK (Bronze Pump) - 6" discharge / 6" suction
600e-150-3-B	680-69764	Bronze Series, 15 HP, 3 ϕ , Display System for ePAK (Bronze Pump) - 6" discharge / 6" suction
600e-200-3-B	680-69766	Bronze Series, 20 HP, 3 ϕ , Display System for ePAK (Bronze Pump) - 6" discharge / 6" suction
Optional Equipment		
600e-BS	680-69678	3/4" Fill / Level Manifold Assembly



Function:

The **600e Silver Series Display System** is identical to the 600e Bronze Series underground vault display pump system with the exception of using schedule 80 PVC piping, fittings, and true union ball valves. It features high quality components and reliable construction all housed in a water tight, fiberglass vault with aluminum access hatch. This system provides one suction and one discharge for large spray effects and water fountains. *This system can only be housed in a 6PAK vault. (as shown)*



600e Pump Options -

- Hobbs 320-HP: 5 HP Centrifugal Pump. 3 phase power
or
- Hobbs 315-24: 5 through 20 HP Bronze Pump. 3 phase power
- 208-230/460V available. Installer must provide additional 120V line for 460V systems
- Basket strainer included
- Standard system includes selected PAK size, selected pump size, discharge assembly with 6" waffer-style check valve and infinite position butterfly valve, and suction assembly with a 6" 10 position butterfly valve. *NOTE: The 600e-051-3-S system has 4" discharge and suction assemblies.*
- Bulkhead fittings are placed at suction and discharge points on PAK walls for installer piping to fountain.
- Control panel requirements vary depending on pump selection. A control panel is required for all systems.

PUMP INFORMATION:

5 HP; 3 Phase; 208-230/460V;
Delivers 195 GPM at 60 feet of head, 155 GPM at 80 feet of head, 100 GPM at 95 feet of head.

5 HP; 3 Phase; 208-230/460V;
Delivers 350 GPM at 30 feet of head, 295 GPM at 50 feet of head, 205 GPM at 70 feet of head.

7-1/2 HP; 3 Phase; 208-230/460V;
Delivers 503 GPM at 30 feet of head, 450 GPM at 50 feet of head, 370 GPM at 70 feet of head.

10 HP; 3 Phase; 208-230/460V;
Delivers 625 GPM at 30 feet of head, 570 GPM at 50 feet of head, 375 GPM at 90 feet of head.

15HP; 3 Phase; 208-230/460V;
Delivers 640 GPM at 50 feet of head, 590 GPM at 70 feet of head, 330 GPM at 120 feet of head.

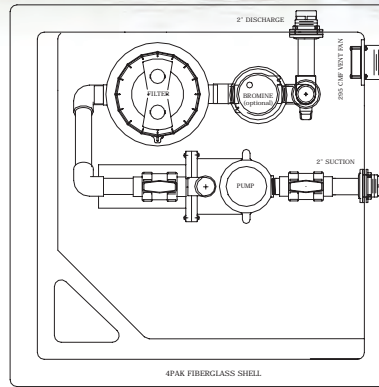
20 HP; 3 Phase; 208-230/460V;
Delivers 730 GPM at 50 feet of head, 690 GPM at 70 feet of head, 450 GPM at 120 feet of head.

Model	Order #	Description
600e-051-3-S	680-69757	Silver Series, 5 HP, 3 ϕ , Display System for ePAK (Thermoplastic Pump) - 4" discharge / 4" suction
600e-050-3-S	680-69759	Silver Series, 5 HP, 3 ϕ , Display System for ePAK (Bronze Pump) - 6" discharge / 6" suction
600e-075-3-S	680-69761	Silver Series, 7-1/2 HP, 3 ϕ , Display System for ePAK (Bronze Pump) - 6" discharge / 6" suction
600e-100-3-S	680-69763	Silver Series, 10 HP, 3 ϕ , Display System for ePAK (Bronze Pump) - 6" discharge / 6" suction
600e-150-3-S	680-69765	Silver Series, 15 HP, 3 ϕ , Display System for ePAK (Bronze Pump) - 6" discharge / 6" suction
600e-200-3-S	680-69767	Silver Series, 20 HP, 3 ϕ , Display System for ePAK (Bronze Pump) - 6" discharge / 6" suction
Optional Equipment		
600e-BS	680-69678	3/4" Fill / Level Manifold Assembly



Function:

The **610e Bronze Series Cartridge Filter System** is our most economical underground vault cartridge filter system available. Made using schedule 40 PVC piping, ball valves, and fittings, it features high quality components and reliable construction all housed in a water tight, fiberglass vault with aluminum access hatch. *This system can be housed in a 4PAK or 6PAK vault. (4PAK shown)*



610e Pumping Options -

- Hobbs 315-44: 1/2 through 3 HP Series Centrifugal Pump. 1 or 3 phase power
- Hobbs 320-HP: 5 HP Centrifugal Pump. 3 phase power
- 115/208-230/460V available. Installer must provide additional 120V line for 460V systems
- Basket strainer included

610e Filtration System -

- Hobbs 350-15 Series Clean & Clear Cartridge Filter, NSF Listed
- 75 GPM max through filter, system includes bypass line for remainder of flow
- Chemical resistant tank
- 1" drain wash-out

Chemical Treatment (Optional) -

- Hobbs 360e-BS Brominator Assembly
- 25,000 gallon capacity
- 60 GPM max through brominator, system includes bypass line for remainder of flow
- Standard system includes selected PAK size, selected pump size, cartridge filter. Sump pump is standard with 6PAK, optional with 4PAK.
- Bulkhead fittings are placed at suction and discharge points on PAK walls for installer piping to fountain.
- Control panel requirements vary depending on pump selection. A control panel is required for all systems.

PUMP INFORMATION:

1/2 HP; 1 Phase; 115/208-230V; Delivers 76 GPM at 30 feet of head, 55 GPM at 50 feet of head, 16 GPM at 70 feet of head.

1/2 HP; 3 Phase; 208-230/460V; Delivers 77 GPM at 30 feet of head, 55 GPM at 50 feet of head, and 37 feet of head at 70 GPM.

3/4 HP; 1 Phase; 115/208-230V; Delivers 88 GPM at 30 feet of head, 71 GPM at 50 feet of head, and 47 GPM at 70 feet of head.

3/4 HP; 3 Phase; 208-230/460V; Delivers 88 GPM at 30 feet of head, 70 GPM at 50 feet of head, and GPM at 70 feet of head.

1 HP; 1 Phase; 115/208-230 V; Delivers 100 GPM at 40 feet of head, 76 GPM at 60 feet of head, and 42 GPM at 80 feet of head.

1 HP; 3 Phase; 208-230/460V; Delivers 110 GPM at 30 feet of head, 90 GPM at 50 feet of head, and 63 GPM at 70 feet of head.

1-1/2 HP; 1 Phase; 208-230V; Delivers 110 GPM at 50 feet of head, 85 GPM at 70 feet of head, and 66 GPM at 80 feet of head.

1-1/2 HP; 3 Phase; 208-230/460V; Delivers 130 GPM at 30 feet of head, 110 GPM at 50 feet of head, and 85 GPM at 70 feet of head.

2 HP; 1 Phase; 208-230V; Delivers 125 GPM at 50 feet of head, 97 GPM at 70 feet of head, and 78 GPM at 80 feet of head.

2 HP; 3 Phase; 208-230/460V; Delivers 150 GPM at 30 feet of head, 125 GPM at 50 feet of head, and 98 GPM at 70 feet of head.

3 HP; 1 Phase; 208-230V; Delivers 141 GPM at 60 feet of head, 110 GPM at 80 feet of head, and 50 GPM at 100 feet of head.

3 HP; 3 Phase; 208-230/460V; Delivers 160 GPM at 50 feet of head, 130 GPM at 70 feet of head, and 90 GPM at 90 feet of head.

5 HP; 3 Phase; 208-230/460V; Delivers 195 GPM at 60 feet of head, 155 GPM at 80 feet of head, 100 GPM at 95 feet of head.

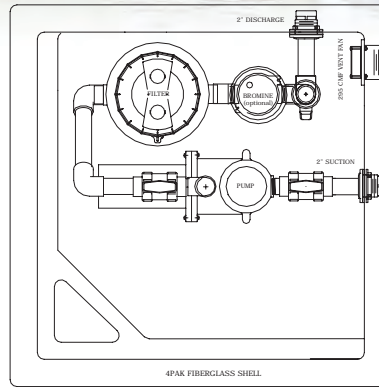
Model	Order #	Description	Suct.	Disch.
610e-005-1-B	680-69648	Bronze Series, 1/2 HP, 1 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-005-3-B	680-69649	Bronze Series, 1/2 HP, 3 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-007-1-B	680-69650	Bronze Series, 3/4 HP, 1 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-007-3-B	680-69651	Bronze Series, 3/4 HP, 3 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-010-1-B	680-69652	Bronze Series, 1 HP, 1 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-010-3-B	680-69653	Bronze Series, 1 HP, 3 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-015-1-B	680-69654	Bronze Series, 1 1/2 HP, 1 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-015-3-B	680-69655	Bronze Series, 1 1/2 HP, 3 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-020-1-B	680-69656	Bronze Series, 2 HP, 1 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-020-3-B	680-69657	Bronze Series, 2 HP, 3 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-030-1-B	680-69658	Bronze Series, 3 HP, 1 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-030-3-B	680-69659	Bronze Series, 3 HP, 3 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-051-3-B	680-69660	Bronze Series, 5 HP, 3 ϕ , Cartridge Filter System for ePAK	One 3"	Two 3"
Optional Equipment				
360e-BS	680-69619	Brominator Assembly	N/A	N/A
600-1304	610-61111	Sump Pump Assembly (Standard with 6PAKs)	N/A	N/A

Toll Free: 1.877.426.4622
 Phone: 770.457.3000
 Fax: 770.457.4225
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Function:

The **610e Silver Series Cartridge Filter System** is identical to the 610e Bronze Series underground vault cartridge filter system with the exception of using schedule 80 PVC piping, fittings, and true union ball valves. It features high quality components and reliable construction all housed in a water tight, fiberglass vault with aluminum access hatch. *This system can be housed in a 4PAK or 6PAK vault. (4PAK shown)*



610e Pumping Options -

- Hobbs 315-44: 1/2 through 3 HP Series Centrifugal Pump. 1 or 3 phase power
- or
- Hobbs 320-HP: 5 HP Centrifugal Pump. 3 phase power
- 115/208-230/460V available. Installer must provide additional 120V line for 460V systems
- Basket strainer included

610e Filtration System -

- Hobbs 350-15 Series Clean & Clear Cartridge Filter, NSF Listed
- 75 GPM max through filter, system includes bypass line for remainder of flow
- Chemical resistant tank
- 1" drain wash-out

Chemical Treatment (Optional) -

- Hobbs 360e-BS Brominator Assembly
- 25,000 gallon capacity
- 60 GPM max through brominator, system includes bypass line for remainder of flow
- Standard system includes selected PAK size, selected pump size, cartridge filter. Sump pump is standard with 6PAK, optional with 4PAK.
- Bulkhead fittings are placed at suction and discharge points on PAK walls for installer piping to fountain.
- Control panel requirements vary depending on pump selection. A control panel is required for all systems.

PUMP INFORMATION:

1/2 HP; 1 Phase; 115/208-230V; Delivers 76 GPM at 30 feet of head, 55 GPM at 50 feet of head, 16 GPM at 70 feet of head.

1/2 HP; 3 Phase; 208-230/460V; Delivers 77 GPM at 30 feet of head, 55 GPM at 50 feet of head, and 37 feet of head at 70 GPM.

3/4 HP; 1 Phase; 115/208-230V; Delivers 88 GPM at 30 feet of head, 71 GPM at 50 feet of head, and 47 GPM at 70 feet of head.

3/4 HP; 3 Phase; 208-230/460V; Delivers 88 GPM at 30 feet of head, 70 GPM at 50 feet of head, and GPM at 70 feet of head.

1 HP; 1 Phase; 115/208-230 V; Delivers 100 GPM at 40 feet of head, 76 GPM at 60 feet of head, and 42 GPM at 80 feet of head.

1 HP; 3 Phase; 208-230/460V; Delivers 110 GPM at 30 feet of head, 90 GPM at 50 feet of head, and 63 GPM at 70 feet of head.

1-1/2 HP; 1 Phase; 208-230V; Delivers 110 GPM at 50 feet of head, 85 GPM at 70 feet of head, and 66 GPM at 80 feet of head.

1-1/2 HP; 3 Phase; 208-230/460V; Delivers 130 GPM at 30 feet of head, 110 GPM at 50 feet of head, and 85 GPM at 70 feet of head.

2 HP; 1 Phase; 208-230V; Delivers 125 GPM at 50 feet of head, 97 GPM at 70 feet of head, and 78 GPM at 80 feet of head.

2 HP; 3 Phase; 208-230/460V; Delivers 150 GPM at 30 feet of head, 125 GPM at 50 feet of head, and 98 GPM at 70 feet of head.

3 HP; 1 Phase; 208-230V; Delivers 141 GPM at 60 feet of head, 110 GPM at 80 feet of head, and 50 GPM at 100 feet of head.

3 HP; 3 Phase; 208-230/460V; Delivers 160 GPM at 50 feet of head, 130 GPM at 70 feet of head, and 90 GPM at 90 feet of head.

5 HP; 3 Phase; 208-230/460V; Delivers 195 GPM at 60 feet of head, 155 GPM at 80 feet of head, 100 GPM at 95 feet of head.

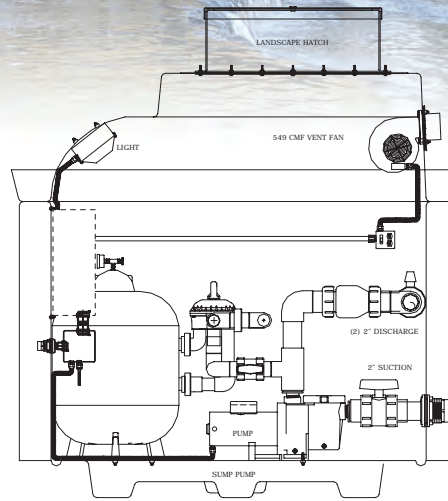
Model	Order #	Description	Suct.	Disch.
610e-005-1-S	680-69661	Silver Series, 1/2 HP, 1 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-005-3-S	680-69662	Silver Series, 1/2 HP, 3 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-007-1-S	680-69663	Silver Series, 3/4 HP, 1 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-007-3-S	680-69664	Silver Series, 3/4 HP, 3 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-010-1-S	680-69665	Silver Series, 1 HP, 1 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-010-3-S	680-69666	Silver Series, 1 HP, 3 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-015-1-S	680-69667	Silver Series, 1 1/2 HP, 1 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-015-3-S	680-69668	Silver Series, 1 1/2 HP, 3 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-020-1-S	680-69669	Silver Series, 2 HP, 1 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-020-3-S	680-69670	Silver Series, 2 HP, 3 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-030-1-S	680-69671	Silver Series, 3 HP, 1 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-030-3-S	680-69672	Silver Series, 3 HP, 3 ϕ , Cartridge Filter System for ePAK	One 2"	Two 2"
610e-051-3-S	680-69673	Silver Series, 5 HP, 3 ϕ , Cartridge Filter System for ePAK	One 3"	Two 3"
Optional Equipment				
360e-BS	680-69619	Brominator Assembly	N/A	N/A
600-1304	610-61111	Sump Pump Assembly	N/A	N/A

Toll Free: 1.877.426.4622
 Phone: 770.457.3000
 Fax: 770.457.4225
www.hobbsfountains.com



Function:

The **620e Bronze Series Sand Filter System** is our most economical underground vault sand filter system available. Made using schedule 40 PVC piping, ball valves, and fittings, it features high quality components and reliable construction all housed in a water tight, fiberglass vault with aluminum access hatch. *This system can only be housed in a 6PAK vault. (as shown)*



620e Pumping Options -

- Hobbs 315-44: 1/2 through 3 HP Series Centrifugal Pump. 1 or 3 phase power
- or
- Hobbs 320-HP: 5 HP Centrifugal Pump. 3 phase power
- 115/208-230/460V available. Installer must provide additional 120V line for 460V systems
- Basket strainer included

620e Filtration System -

- Hobbs 352-60D Series Tagelus Sand Filter
- 60 GPM max through filter, system includes bypass line for remainder of flow
- Fiberglass reinforced tank
- Six position, clamp style, top mounted multiport valve

Chemical Treatment (Optional) -

- Hobbs 360e-BS Brominator Assembly
- 25,000 gallon capacity
- 60 GPM max through brominator, system includes bypass line for remainder of flow
- Standard system includes selected PAK size, selected pump size, cartridge filter. Sump pump is standard with 6PAK, optional with 4PAK.
- Bulkhead fittings are placed at suction and discharge points on PAK walls for installer piping to fountain.
- Control panel requirements vary depending on pump selection. A control panel is required for all systems.

PUMP INFORMATION:

1/2 HP; 1 Phase; 115/208-230V;
Delivers 76 GPM at 30 feet of head, 55 GPM at 50 feet of head, 16 GPM at 70 feet of head.

1/2 HP; 3 Phase; 208-230/460V;
Delivers 77 GPM at 30 feet of head, 55 GPM at 50 feet of head, and 37 feet of head at 70 GPM.

3/4 HP; 1 Phase; 115/208-230V;
Delivers 88 GPM at 30 feet of head, 71 GPM at 50 feet of head, and 47 GPM at 70 feet of head.

3/4 HP; 3 Phase; 208-230/460V;
Delivers 88 GPM at 30 feet of head, 70 GPM at 50 feet of head, and GPM at 70 feet of head.

1 HP; 1 Phase; 115/208-230 V;
Delivers 100 GPM at 40 feet of head, 76 GPM at 60 feet of head, and 42 GPM at 80 feet of head.

1 HP; 3 Phase; 208-230/460V;
Delivers 110 GPM at 30 feet of head, 90 GPM at 50 feet of head, and 63 GPM at 70 feet of head.

1-1/2 HP; 1 Phase; 208-230V;
Delivers 110 GPM at 50 feet of head, 85 GPM at 70 feet of head, and 66 GPM at 80 feet of head.

1-1/2 HP; 3 Phase; 208-230/460V;
Delivers 130 GPM at 30 feet of head, 110 GPM at 50 feet of head, and 85 GPM at 70 feet of head.

2 HP; 1 Phase; 208-230V; Delivers 125 GPM at 50 feet of head, 97 GPM at 70 feet of head, and 78 GPM at 80 feet of head.

2 HP; 3 Phase; 208-230/460V;
Delivers 150 GPM at 30 feet of head, 125 GPM at 50 feet of head, and 98 GPM at 70 feet of head.

3 HP; 1 Phase; 208-230V; Delivers 141 GPM at 60 feet of head, 110 GPM at 80 feet of head, and 50 GPM at 100 feet of head.

3 HP; 3 Phase; 208-230/460V;
Delivers 160 GPM at 50 feet of head, 130 GPM at 70 feet of head, and 90 GPM at 90 feet of head.

5 HP; 3 Phase; 208-230/460V;
Delivers 195 GPM at 60 feet of head, 155 GPM at 80 feet of head, 100 GPM at 95 feet of head.

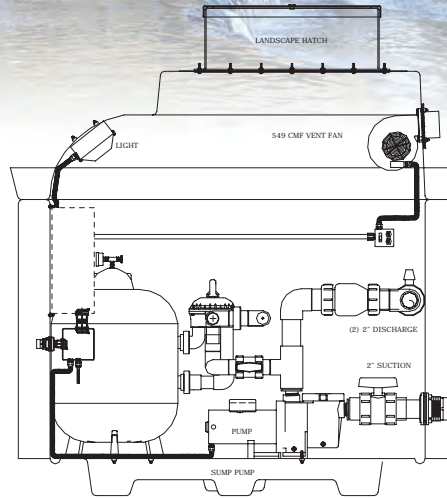
Model	Order #	Description	Suct.	Disch.
620e-005-1-B	680-69730	Bronze Series, 1/2 HP, 1 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-005-3-B	680-69732	Bronze Series, 1/2 HP, 3 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-007-1-B	680-69734	Bronze Series, 3/4 HP, 1 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-007-3-B	680-69736	Bronze Series, 3/4 HP, 3 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-010-1-B	680-69738	Bronze Series, 1 HP, 1 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-010-3-B	680-69740	Bronze Series, 1 HP, 3 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-015-1-B	680-69742	Bronze Series, 1 1/2 HP, 1 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-015-3-B	680-69744	Bronze Series, 1 1/2 HP, 3 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-020-1-B	680-69746	Bronze Series, 2 HP, 1 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-020-3-B	680-69748	Bronze Series, 2 HP, 3 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-030-1-B	680-69750	Bronze Series, 3 HP, 1 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-030-3-B	680-69752	Bronze Series, 3 HP, 3 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-051-3-B	680-69754	Bronze Series, 5 HP, 3 ϕ , Sand Filter System for ePAK	One 3"	Two 3"
Optional Equipment				
360e-BS	680-69619	Brominator Assembly	N/A	N/A
600-1304	610-61111	Sump Pump Assembly (Standard with 6PAKs)	N/A	N/A

Toll Free: 1.877.426.4622
Phone: 770.457.3000
Fax: 770.457.4225
www.hobbsfountains.com



Function:

The **620e Silver Series Sand Filter System** is identical to the 620e Bronze Series underground vault cartridge filter system with the exception of using schedule 80 PVC piping, fittings, and true union ball valves. It features high quality components and reliable construction all housed in a water tight, fiberglass vault with aluminum access hatch. *This system can only be housed in a 6PAK vault. (as shown)*



620e Pumping Options -

- Hobbs 315-44: 1/2 through 3 HP Series Centrifugal Pump. 1 or 3 phase power
or
- Hobbs 320-HP: 5 HP Centrifugal Pump. 3 phase power
- 115/208-230/460V available. Installer must provide additional 120V line for 460V systems
- Basket strainer included

620e Filtration System -

- Hobbs 352-60D Series Tagelus Sand Filter
- 60 GPM max through filter, system includes bypass line for remainder of flow
- Fiberglass reinforced tank
- Six position, clamp style, top mounted multiport valve

Chemical Treatment (Optional) -

- Hobbs 360e-BS Brominator Assembly
- 25,000 gallon capacity
- 60 GPM max through brominator, system includes bypass line for remainder of flow
- Standard system includes selected PAK size, selected pump size, cartridge filter. Sump pump is standard with 6PAK, optional with 4PAK.
- Bulkhead fittings are placed at suction and discharge points on PAK walls for installer piping to fountain.
- Control panel requirements vary depending on pump selection. A control panel is required for all systems.

PUMP INFORMATION:

1/2 HP; 1 Phase; 115/208-230V;
Delivers 76 GPM at 30 feet of head, 55 GPM at 50 feet of head, 16 GPM at 70 feet of head.

1/2 HP; 3 Phase; 208-230/460V;
Delivers 77 GPM at 30 feet of head, 55 GPM at 50 feet of head, and 37 feet of head at 70 GPM.

3/4 HP; 1 Phase; 115/208-230V;
Delivers 88 GPM at 30 feet of head, 71 GPM at 50 feet of head, and 47 GPM at 70 feet of head.

3/4 HP; 3 Phase; 208-230/460V;
Delivers 88 GPM at 30 feet of head, 70 GPM at 50 feet of head, and GPM at 70 feet of head.

1 HP; 1 Phase; 115/208-230 V;
Delivers 100 GPM at 40 feet of head, 76 GPM at 60 feet of head, and 42 GPM at 80 feet of head.

1 HP; 3 Phase; 208-230/460V;
Delivers 110 GPM at 30 feet of head, 90 GPM at 50 feet of head, and 63 GPM at 70 feet of head.

1-1/2 HP; 1 Phase; 208-230V;
Delivers 110 GPM at 50 feet of head, 85 GPM at 70 feet of head, and 66 GPM at 80 feet of head.

1-1/2 HP; 3 Phase; 208-230/460V;
Delivers 130 GPM at 30 feet of head, 110 GPM at 50 feet of head, and 85 GPM at 70 feet of head.

2 HP; 1 Phase; 208-230V; Delivers 125 GPM at 50 feet of head, 97 GPM at 70 feet of head, and 78 GPM at 80 feet of head.

2 HP; 3 Phase; 208-230/460V;
Delivers 150 GPM at 30 feet of head, 125 GPM at 50 feet of head, and 98 GPM at 70 feet of head.

3 HP; 1 Phase; 208-230V; Delivers 141 GPM at 60 feet of head, 110 GPM at 80 feet of head, and 50 GPM at 100 feet of head.

3 HP; 3 Phase; 208-230/460V;
Delivers 160 GPM at 50 feet of head, 130 GPM at 70 feet of head, and 90 GPM at 90 feet of head.

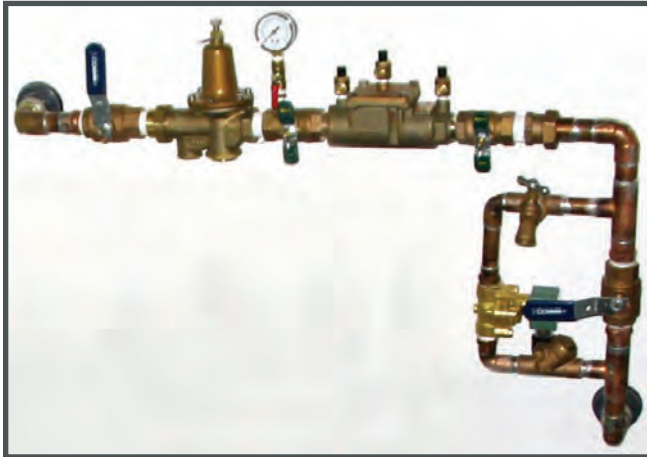
5 HP; 3 Phase; 208-230/460V;
Delivers 195 GPM at 60 feet of head, 155 GPM at 80 feet of head, 100 GPM at 95 feet of head.

Model	Order #	Description	Suct.	Disch.
620e-005-1-S	680-69731	Silver Series, 1/2 HP, 1 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-005-3-S	680-69733	Silver Series, 1/2 HP, 3 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-007-1-S	680-69735	Silver Series, 3/4 HP, 1 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-007-3-S	680-69737	Silver Series, 3/4 HP, 3 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-010-1-S	680-69739	Silver Series, 1 HP, 1 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-010-3-S	680-69741	Silver Series, 1 HP, 3 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-015-1-S	680-69743	Silver Series, 1 1/2 HP, 1 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-015-3-S	680-69745	Silver Series, 1 1/2 HP, 3 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-020-1-S	680-69747	Silver Series, 2 HP, 1 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-020-3-S	680-69749	Silver Series, 2 HP, 3 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-030-1-S	680-69751	Silver Series, 3 HP, 1 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-030-3-S	680-69753	Silver Series, 3 HP, 3 ϕ , Sand Filter System for ePAK	One 2"	Two 2"
620e-051-3-S	680-69755	Silver Series, 5 HP, 3 ϕ , Sand Filter System for ePAK	One 3"	Two 3"
Optional Equipment				
360e-BS	680-69619	Brominator Assembly	N/A	N/A
600-1304	610-61111	Sump Pump Assembly (Standard with 6PAKs)	N/A	N/A

Toll Free: 1.877.426.4622
Phone: 770.457.3000
Fax: 770.457.4225
www.hobbsfountains.com

Function:

The **600-0200 Series Fill Level Manifold** regulates the amount water in a system for proper performance from inside an underground pumping station. In normal operation the fill manifold works in conjunction with our water level sensor and fills the pool automatically while the system is on. Our manifolds can be ordered with or without a backflow preventer (BFP) to stop chemically treated water from re-entering a service line and contaminating the city water system. The backflow preventer is recommended for lines that do not already have one installed.



Backflow preventer shown in this image.

Key Features:

- Available in various sizes depending on system requirements.
- Type 'K' copper construction with bronze components and fully tested before shipment.
- Comes standard with a pressure reducing valve factory set to 45 GPM.

Model	Order #	Description	Ship Weight
600-0201M	610-61123	3/4" Manifold w/o Backflow Preventer	N/A
600-0201	610-61122	3/4" Manifold with Backflow Preventer	N/A
600-0202M	610-61125	1" Manifold w/o Backflow Preventer	N/A
600-0202	610-61124	1" Manifold with Backflow Preventer	N/A
600-0203M	610-61126	1 1/2" Manifold w/o Backflow Preventer	N/A
600-0203	610-61128	1 1/2" Manifold with Backflow Preventer	N/A
600-0204M	610-61127	2" Manifold w/o Backflow Preventer	N/A
600-0204	610-61129	2" Manifold with Backflow Preventer	N/A

Each Fill Level Manifold is custom manufactured per the requirements for each fountain project. Contact our office for pricing and ordering information.

#600-0201M: 3/4" Fill Level Control Manifold w/o BFP Assembly for Pump Stations.

#600-0201: 3/4" Fill Level Control Manifold with BFP Assembly for Pump Stations.

#600-0202M: 1" Fill Level Control Manifold w/o BFP Assembly for Pump Stations.

#600-0202: 1" Fill Level Control Manifold with BFP Assembly for Pump Stations.

#600-0203M: 1 1/2" Fill Level Control Manifold w/o BFP Assembly for Pump Stations.

#600-0203: 1 1/2" Fill Level Control Manifold with BFP Assembly for Pump Stations.

#600-0204M: 2" Fill Level Control Manifold w/o BFP Assembly for Pump Stations.

#600-0204: 2" Fill Level Control Manifold with BFP Assembly for Pump Stations.



660-0200 Series

Fill Level Manifolds

Function:

The **660-0200 Series Fill Level Manifold** regulates the amount water in a system for proper performance from inside an underground pumping station. In normal operation the fill manifold works in conjunction with our water level sensor and fills the pool automatically while the system is on. This series of manifolds comes standard with a Reduced Pressure Zone (RPZ), Backflow Preventer (BFP) to stop chemically treated water from re-entering a service line and contaminating the city water system. The backflow preventer is recommended for lines that do not already have one installed.

Key Features:

- Available in various sizes depending on system requirements.
- Type 'K' copper construction with bronze components and fully tested before shipment.
- Comes standard with a pressure reducing valve factory set to 45 GPM.

#660-0201: 3/4" Fill Level Control Manifold w/ Reduced Pressure Zone BFP Assembly for Pump Stations.

#660-0202: 1" Fill Level Control Manifold w/ Reduced Pressure Zone BFP Assembly for Pump Stations.

#660-0203: 1-1/2" Fill Level Control Manifold w/ Reduced Pressure Zone BFP Assembly for Pump Stations.

#660-0204: 2" Fill Level Control Manifold w/ Reduced Pressure Zone BFP Assembly for Pump Stations.

Model	Order #	Description	Ship Weight
660-0201	610-64052	3/4" Manifold with RPZ Backflow Preventer	N/A
660-0202	610-61130	1" Manifold with RPZ Backflow Preventer	N/A
660-0203	610-64053	1 1/2" Manifold with RPZ Backflow Preventer	N/A
660-0204	610-64054	2" Manifold with RPZ Backflow Preventer	N/A

Each Fill Level Manifold is custom manufactured per the requirements for each fountain project. Contact our office for pricing and ordering information.



600 Series

Station Hatches

Function:

The Modular Pump Stations are designed to conform to any setting, indoors and outdoors. This is done by providing an entry hatch that best suits your pump station's environment. There are three different type of hatches: the Landscape, the Diamond Plate, and the Tile-set Hatch. The hatches are premounted on the various pump stations.

The Landscape Hatch is used when the pump station is to be installed in a planter or other area with fill-dirt and landscaping adjacent to the hatch. The Diamond Plate and Tile-set hatches are used when the pump station is to be installed in an area which has a hard, formed-in-place floor (such as plain or tile-covered concrete) and requires a flush-mounted finish. All hatches are attached and sealed to the pump stations with stainless steel fasteners and clear silicon sealer.

Landscape Hatch: Single-leaf aluminum curb hatch is complete with counterflashing and 1" rigid insulation. Twelve inch (12") curb is formed with a 3-1/2" flange which is attached to the pump station. Metal cover is complete with 1" insulation covered by metal liner, neoprene draft seal, and inside handle. The hatch is assembled with Easy-Access spring hinges entirely contained within the hatch to prevent outside tampering. All hardware is equipped with automatic hold-open arm, complete with red vinyl grip handle, which provides easy one-hand release. A spring latch provides inside and outside operation.

Diamond Plate Hatch: Single-leaf, flush, gutter-type floor hatch has a 1/4" thick aluminum diamond plate cover reinforced to withstand a live load of 300 pounds per square foot. The frame is 1/4" formed aluminum with built-in 1-1/2" drainage coupling. Unless noted, all hardware is cadmium plated to resist corrosion. The hatch is equipped with an automatic hold-open arm and red vinyl release handle, stainless steel inside snap lock with removable outside wrench handle, heavy bronze hinges with stainless steel pins, and spiral lift springs. Note: all stainless steel hardware available upon request.

Tile-Set Hatch: Single-leaf, flush, gutter-type floor hatch has a 1/4" smooth aluminum cover with aluminum edging to receive 3/4" thick terrazzo or tile and setting bed, reinforced to withstand a live load of 300 pounds per square foot. The frame is 1/4" formed aluminum with built-in 1-1/2" drainage coupling. Unless noted, all hardware is cadmium plated to resist corrosion. The hatch is equipped with automatic hold-open arm and red vinyl release handle, stainless steel inside snap lock with removable outside wrench handle, heavy, bronze hinges with stainless steel pins, and spiral lift springs.



630 Series

3-PAK Modular Pumping Station

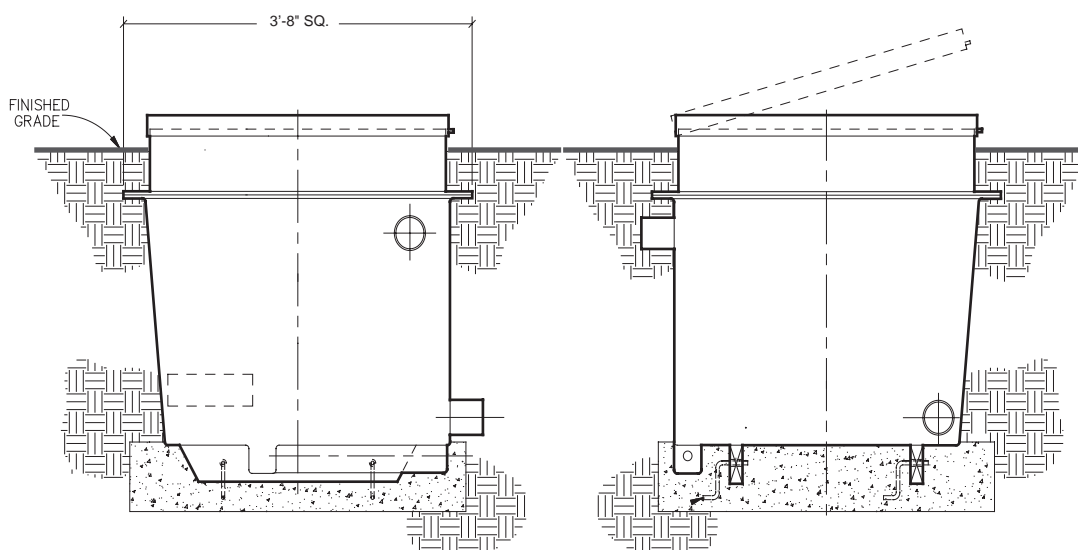
630-Series 3-PAK Modular Pump Station:
Approximate size 3'-8" x 3'-2" x 3'-2"; Can utilize pumps between 1/3 HP and 3 HP.

Function:

3-PAK Modular Pump Station: Shell is a single-piece construction of 1/4" thick fiber reinforced plastic (FRP), with interior white gel-coat finish throughout. Formed integrally into the shell is a floor drain sump, which is normally drained via gravity through a 1-1/2" PVC line with backwater check valve, serviceable from the interior of the shell. As an option, a 120 volt, automatic sump pump (15 GPM) to remove any excess water can be substituted. Two skids are permanently bonded and sealed to the outside bottom of the shell, serving to provide rigidity and allow easy fork lift handling.

Ventilation is provided by a 106 CFM vent van assembly which operates in conjunction with two air ventilation fittings for air intake and exhaust. The access hatch has a 2'-6" x 3'-0" opening, with a variety of styles available (see '600-Series Hatches' for the type needed).

The pumping system has the capability of utilizing as small as a 1/3 horsepower centrifugal pump and as large as a 3 horsepower centrifugal pump. The 3 horsepower pump can produce a maximum of 150 gallons per minute at 50 feet of head.



The 630 3-PAK Pump Station is custom manufactured per the requirements for each fountain project. Contact our office for pricing and ordering information.

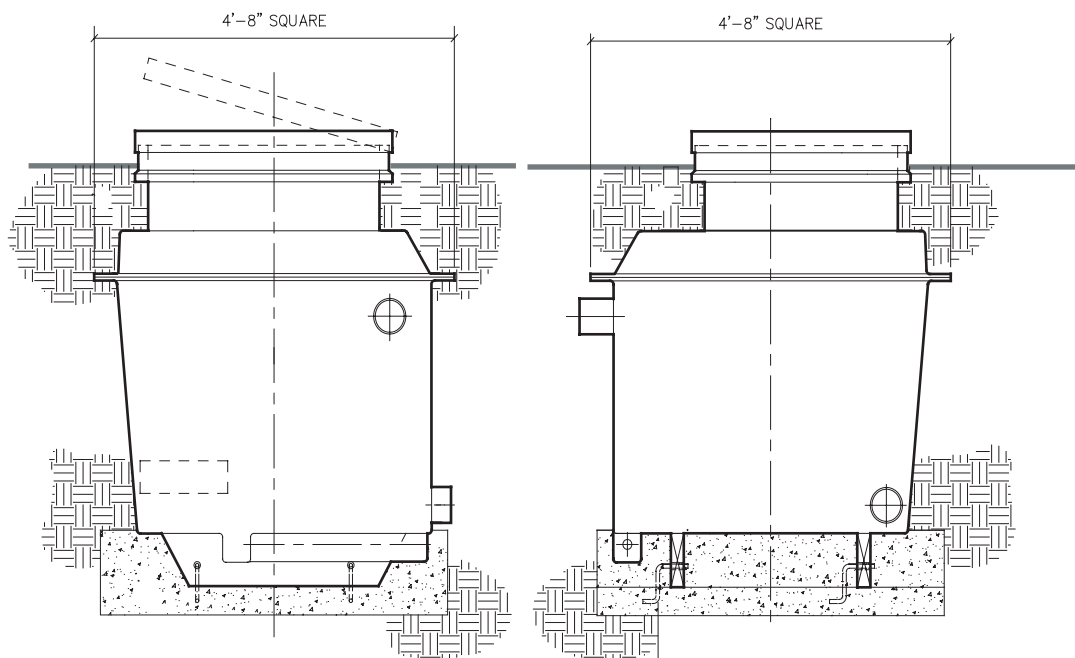
4-PAK Modular Pumping Station

Function:

4-PAK Modular Pump Station: Approximate size 4'-8" x 4'-8" x 5'-4". Shell is constructed in two parts, upper and lower, of 3/8" thick, fiber reinforced plastic (FRP), with interior white gel-coat finish throughout except for special gray gel-coat on the floor and step areas textured for added traction. Formed integrally into the shell is a corner step (for ease of entry) and a peripheral floor drain trough which feeds into a formed sump area. The sump area contains a simplex sump pump (120 volt, 15 GPM) assembly for forced draining of any excess water. Two skids are permanently bonded and sealed to the outside bottom of the shell, serving to provide rigidity and allow easy fork lift or lifting strap handling.

Ventilation is provided via a 106 CFM vent fan assembly which operates in conjunction with two air ventilation fittings for air intake and exhaust. The access hatch has a 2'-6" x 3'-0" opening, with a variety of styles available (see '600-Series Hatches' for the type needed).

The pumping system has the capability of utilizing as small as a 1/3 horsepower centrifugal pump and as large as a 7-1/2 horsepower centrifugal pump. The 7-1/2 horsepower pump can produce a maximum flow of 300 gallons per minute at 50 feet of head.



The 640 4-PAK Pump Station is custom manufactured per the requirements for each fountain project. Contact our office for pricing and ordering information.

640-Series 4-PAK Modular Pump Station: Approximate size 4'-8" x 4'-8" x 5'-4"; Can utilize pumps between 1/3 HP and 7-1/2 HP.

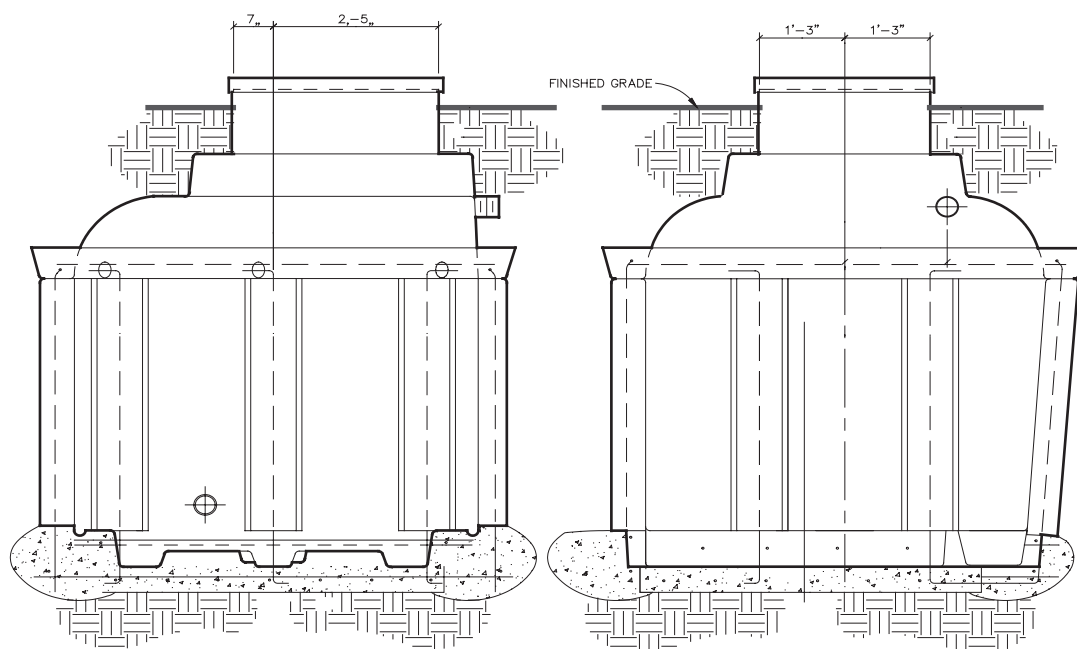


Function:

6, 8, and 10-PAK Modular Pump Stations: Shell is constructed in two parts, upper and lower, of 1/4" thick, fiber reinforced plastic (FRP) with interior white gel-coat finish. Shell parts are bolted together with stainless steel fasteners and sealed with clear silicon sealer. The floor of the lower shell is formed with an integral, periphery drain trough which feeds into a formed sump of adequate size to accept the simplex sump pump (120 volt, 15 GPM) assembly. The main finished floor of the lower shell is constructed of poured concrete anchored with steel re-bars which penetrate the lower shell, forming a stable, high traction surface into which floor mounted equipment is securely anchored.

The shell walls include exterior, bonded-on, semi-circular FRP tubes which, when filled with rebars and poured concrete on jobsite, securely reinforce the shell structure. Two grooved areas are formed into the outside bottom of the lower shell part, facilitating fork lift or lifting strap handling. Access down into the vault is via a preinstalled fiberglass ladder. The access hatch has a 2'-6" x 3'-0" opening with a variety of styles available (see "600-Series Hatches" for the type needed). Ventilation is provided via a 495 CFM vent fan assembly which operates in conjunction with two air ventilation fittings for air intake and exhaust. Illumination inside the vault is provided by a U.L. listed, dust / moisture resistant, 120 volt, fluorescent-type light fixture; two 40 watt, rapid-start lamps are included.

The pumping system has the capability of housing a filtration pump and as large as two 50 horsepower centrifugal pumps.



Modular Pump Stations are custom manufactured per the requirements for each fountain project. Contact our office for pricing and ordering information.

660 - 610 Series

6, 8 and 10-PAK Modular Pumping Stations

660-Series 6-PAK

Modular Pump Station:

Approximate size 6'-0" x 6'-0" x 6'-0".

680-Series 8-PAK

Modular Pump Station:

Approximate size 6'-0" x 8'-0" x 6'-0".

610-Series 10-PAK

Modular Pump Station:

Approximate size 6'-0" x 10'-0" x 6'-0".

700e Series Display Pad	7-2	
700e Bronze Series	7-3	
700e Silver Series	7-4	
710e Series Cartridge Filter / Display Pad	7-5	
710e Bronze Series	7-6	
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700 Series

Pump Pads



Function:

700e Series Display Pump Pads are pre-engineered and pre-fabricated mechanical systems designed for installation in mechanical equipment rooms on projects where an underground pumping station is not feasible. Each ePAD arrives at the jobsite assembled, tested and ready to set in place to accept the interconnecting piping and conduits. This concept allows a single source responsibility for the total fountain package.

700e Series ePADs are split into three main categories based on construction materials and component selection in order to meet specific requirements of a particular job. The **Bronze Series (B)** uses schedule 40 PVC components where possible. The **Silver Series (S)** uses schedule 80 PVC where possible. The **Gold Series (G)** is the industry standard for a truly custom and purpose-built fountain system. These three levels ensure that we are able to produce a system flexible enough to meet even the tightest project budgets.

Specifications:

Each 700e Series Display Pump Pad is designed and manufactured with the following required equipment and optional standards.

Mounting Pad -

- Stainless steel construction with pre-drilled anchoring points

Pumping System -

- Hobbs 320-HP: 5 HP Centrifugal Pump. 3 phase power
or
- Hobbs 315-24: 5 through 20 HP Bronze Pump. 3 phase power
- 208-230/460V available. Installer must provide additional 120V line for 460V systems
- Basket strainer included

Electrical Control Panel (Dependent on total system requirements)-

- Delivered pre-wired and factory tested
- Controls pump on/off, optional water level control, and optional fountain lighting
- 1 and 3 phase versions, based on pump requirements
- 1 and 3 phase panels can control up to (3) 500W lights or (5) 300W lights

Water Fill / Level Manifold (Optional) -

- Hobbs 700e-BS 3/4" Fill/Level Manifold
- Type "K" copper construction
- 120V, single phase, slow-closing 'make-up' valve
- * *Installer is responsible for back flow preventor and pressure reducing valve on incoming water line*

WHAT'S WITH THE 'E'?

Effective: These systems deliver everything you'd expect from a world-class fountain manufacturer.

Economical: ePads are pre-engineered and assembled. Taking all the guess work out of the process saves you money.

Effortless: All systems are pretested and delivered to the jobsite ready to perform.

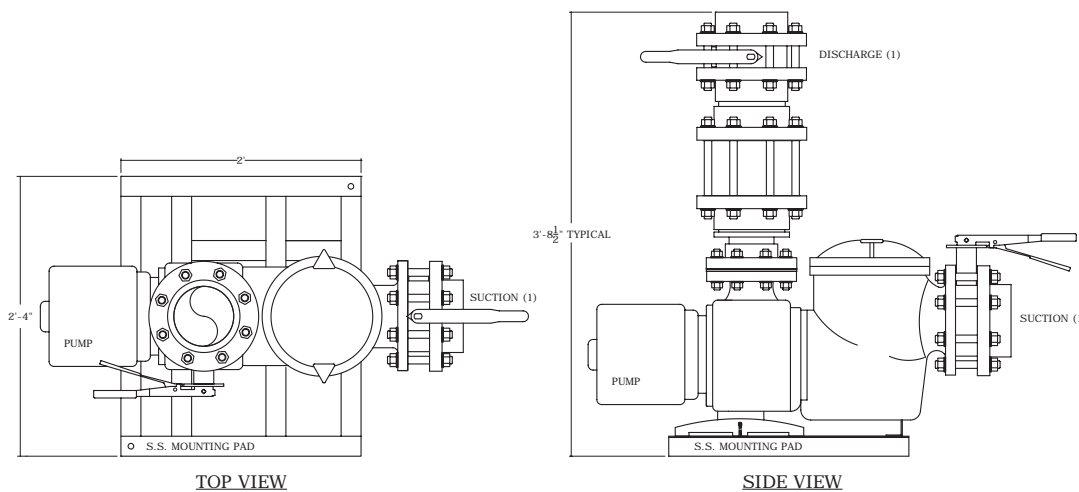
Efficient: Careful selection of energy efficient components and green friendly fabrication ensure that these systems make as little an impact as possible on our environment.



Function:

The **700e-Bronze Series Display Pad** is our most economical system available. Made using schedule 40 PVC piping and fittings where possible, it features high quality components and reliable construction. This system provides one suction and one discharge for large spray effects and water fountains.

- Standard system includes selected pump size, discharge assembly with 6" waffer-style check valve and infinite position butterfly valve, and suction assembly with a 6" 10 position butterfly valve. *NOTE: The 700e-051-3-B system has 4" discharge and suction assemblies.*
- Fill / Level Manifold is a separate, optional item.
- Control panel requirements vary depending on pump selection. A control panel is required for all systems.



Shown with bronze 5 through 20 HP pump.

PUMP INFORMATION:

5 HP; 3 Phase; 208-230/460V;
Delivers 195 GPM at 60 feet of head, 155 GPM at 80 feet of head, 100 GPM at 95 feet of head.

5 HP; 3 Phase; 208-230/460V;
Delivers 350 GPM at 30 feet of head, 295 GPM at 50 feet of head, 205 GPM at 70 feet of head.

7-1/2 HP; 3 Phase; 208-230/460V;
Delivers 503 GPM at 30 feet of head, 450 GPM at 50 feet of head, 370 GPM at 70 feet of head.

10 HP; 3 Phase; 208-230/460V;
Delivers 625 GPM at 30 feet of head, 570 GPM at 50 feet of head, 375 GPM at 90 feet of head.

15HP; 3 Phase; 208-230/460V;
Delivers 640 GPM at 50 feet of head, 590 GPM at 70 feet of head, 330 GPM at 120 feet of head.

20 HP; 3 Phase; 208-230/460V;
Delivers 730 GPM at 50 feet of head, 690 GPM at 70 feet of head, 450 GPM at 120 feet of head.

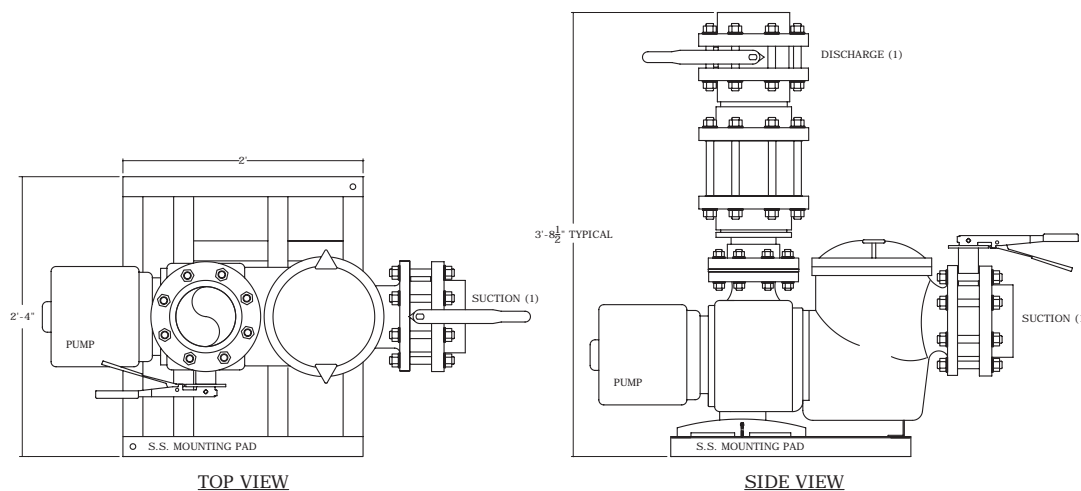
Model	Order #	Description
700e-051-3-B	680-69701	Bronze Series, 5 HP, 3 ϕ , Display Pad (Thermoplastic Pump) - 4" discharge / 4" suction
700e-050-3-B	680-69691	Bronze Series, 5 HP, 3 ϕ , Display Pad (Bronze Pump) - 6" discharge / 6" suction
700e-075-3-B	680-69692	Bronze Series, 7-1/2 HP, 3 ϕ , Display Pad (Bronze Pump) - 6" discharge / 6" suction
700e-100-3-B	680-69693	Bronze Series, 10 HP, 3 ϕ , Display Pad (Bronze Pump) - 6" discharge / 6" suction
700e-150-3-B	680-69694	Bronze Series, 15 HP, 3 ϕ , Display Pad (Bronze Pump) - 6" discharge / 6" suction
700e-200-3-B	680-69695	Bronze Series, 20 HP, 3 ϕ , Display Pad (Bronze Pump) - 6" discharge / 6" suction
Control Panel Options		
ePanel1	940-94992	1 ϕ eSeries Control Panel without Fill / Level Manifold
ePanel2	940-95005	1 ϕ eSeries Control Panel with Fill / Level Manifold
ePanel3	940-95003	3 ϕ eSeries Control Panel without Fill / Level Manifold
ePanel4	940-95002	3 ϕ eSeries Control Panel with Fill / Level Manifold
Optional Equipment		
700e-BS	680-69620	3/4" Fill / Level Manifold Assembly



Function:

The **700e-Silver Series Display Pad** is identical to the Bronze Series in performance with the only exception being the use of schedule 80 PVC piping where possible. It features high quality components and reliable construction. This system provides one suction and one discharge for large spray effects and water fountains.

- Standard system includes selected pump size, discharge assembly with 6" waffer-style check valve and infinite position butterfly valve, and suction assembly with a 6" 10 position butterfly valve. *NOTE: The 700e-051-3-S system has 4" discharge and suction assemblies.*
- Fill / Level Manifold is a separate, optional item.
- Control panel requirements vary depending on pump selection. A control panel is required for all systems.



Shown with bronze 5 through 20 HP pump.

PUMP INFORMATION:

5 HP; 3 Phase; 208-230/460V;
Delivers 195 GPM at 60 feet of head, 155 GPM at 80 feet of head, 100 GPM at 95 feet of head.

5 HP; 3 Phase; 208-230/460V;
Delivers 350 GPM at 30 feet of head, 295 GPM at 50 feet of head, 205 GPM at 70 feet of head.

7-1/2 HP; 3 Phase; 208-230/460V;
Delivers 503 GPM at 30 feet of head, 450 GPM at 50 feet of head, 370 GPM at 70 feet of head.

10 HP; 3 Phase; 208-230/460V;
Delivers 625 GPM at 30 feet of head, 570 GPM at 50 feet of head, 375 GPM at 90 feet of head.

15HP; 3 Phase; 208-230/460V;
Delivers 640 GPM at 50 feet of head, 590 GPM at 70 feet of head, 330 GPM at 120 feet of head.

20 HP; 3 Phase; 208-230/460V;
Delivers 730 GPM at 50 feet of head, 690 GPM at 70 feet of head, 450 GPM at 120 feet of head.

Model	Order #	Description
700e-051-3-S	680-69702	Silver Series, 5 HP, 3 ϕ , Display Pad (Thermoplastic Pump) - 4" discharge / 4" suction
700e-050-3-S	680-69696	Silver Series, 5 HP, 3 ϕ , Display Pad (Bronze Pump) - 6" discharge / 6" suction
700e-075-3-S	680-69697	Silver Series, 7-1/2 HP, 3 ϕ , Display Pad (Bronze Pump) - 6" discharge / 6" suction
700e-100-3-S	680-69698	Silver Series, 10 HP, 3 ϕ , Display Pad (Bronze Pump) - 6" discharge / 6" suction
700e-150-3-S	680-69699	Silver Series, 15 HP, 3 ϕ , Display Pad (Bronze Pump) - 6" discharge / 6" suction
700e-200-3-S	680-69700	Silver Series, 20 HP, 3 ϕ , Display Pad (Bronze Pump) - 6" discharge / 6" suction
Control Panel Options		
ePanel1	940-94992	1 ϕ eSeries Control Panel without Fill / Level Manifold
ePanel2	940-95005	1 ϕ eSeries Control Panel with Fill / Level Manifold
ePanel3	940-95003	3 ϕ eSeries Control Panel without Fill / Level Manifold
ePanel4	940-95002	3 ϕ eSeries Control Panel with Fill / Level Manifold
Optional Equipment		
700e-BS	680-69620	3/4" Fill / Level Manifold Assembly



Function:

710e Series Cartridge Filter ePADs are pre-engineered and pre-fabricated mechanical systems designed for installation in mechanical equipment rooms on projects where an underground pumping station is not feasible. Each ePAD arrives at the jobsite assembled, tested and ready to set in place to accept the interconnecting piping and conduits. This concept allows a single source responsibility for the total fountain package.

710e Series ePADs are split into three main categories based on construction materials and component selection in order to meet specific requirements of a particular job. The **Bronze Series (B)** uses schedule 40 PVC components where possible. The **Silver Series (S)** uses schedule 80 PVC where possible. The **Gold Series (G)** is the industry standard for a truly custom and purpose-built fountain system. These three levels ensure that we are able to produce a system flexible enough to meet even the tightest project budgets.

Specifications:

Each 710e Series Cartridge Filter ePAD is designed and manufactured with the following required equipment and optional standards.

Mounting Pad -

- Stainless steel construction with pre-drilled anchoring points

Pumping System -

- Hobbs 315-44: 1/2, 3/4, 1, 1-1/2, 2, 3 HP Series Centrifugal Pump. 1 or 3 phase power or
- Hobbs 320-HP: 5 HP Centrifugal Pump. 3 phase power
- 115/208-230/460V available. Installer must provide additional 120V line for 460V systems
- Basket strainer included

Filtration System -

- Hobbs 350-15 Series Clean & Clear Cartridge Filter, NSF Listed
- 75 GPM max through filter, system includes bypass line for remainder of flow
- Chemical resistant tank
- 1" drain wash-out

Electrical Control Panel -

- Delivered pre-wired and factory tested
- Controls pump on/off, optional water level control, and optional fountain lighting
- 1 and 3 phase versions, based on pump requirements
- 1 and 3 phase panels can control up to (3) 500W lights or (5) 300W lights

Chemical Treatment (Optional) -

- Hobbs 360e-BS Brominator Assembly
- 25,000 gallon capacity
- 60 GPM max through brominator, system includes bypass line for remainder of flow

Water Fill / Level Manifold (Optional) -

- Hobbs 700e-BS 3/4" Fill/Level Manifold
- Type "K" copper construction
- 120V, single phase, slow-closing 'make-up' valve
- * *Installer is responsible for back flow preventor and pressure reducing valve on incoming water line*

WHAT'S WITH THE 'E'?

Effective: These systems deliver everything you'd expect from a world-class fountain manufacturer.

Economical: ePads are pre-engineered and assembled. Taking all the guess work out of the process saves you money.

Effortless: All systems are pretested and delivered to the jobsite ready to perform.

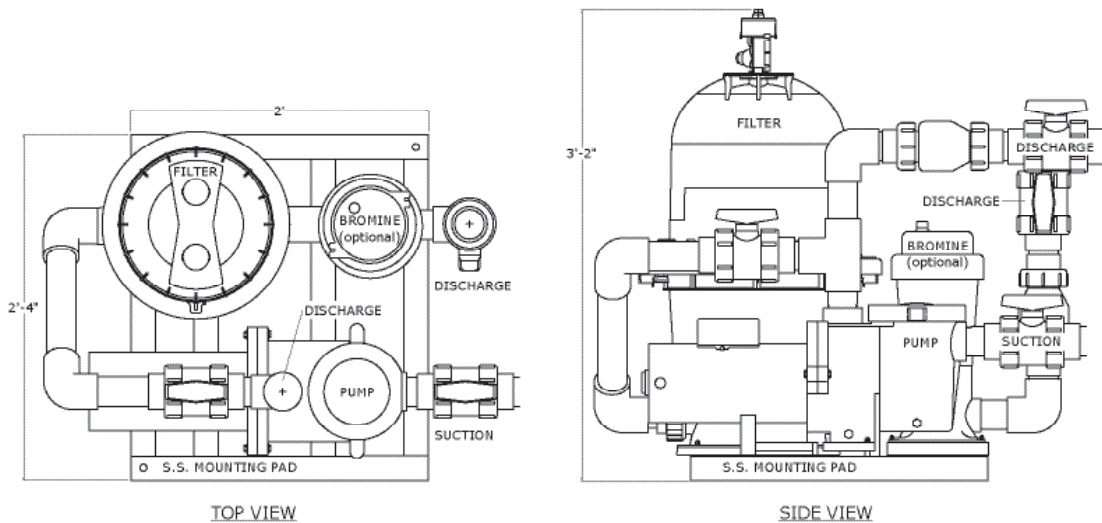
Efficient: Careful selection of energy efficient components and green friendly fabrication ensure that these systems make as little an impact as possible on our environment.



Function:

The **710e-Bronze Series Cartridge Filter ePAD** is our most economical cartridge filter system available. Made using schedule 40 PVC piping, ball valves, and fittings, it features high quality components and reliable construction.

- Standard system includes selected pump size and cartridge filter.
- Fill / Level Manifold and Brominator are separate, optional items.
- Control panel requirements vary depending on pump selection. A control panel is required for all systems.



PUMP INFORMATION:

1/2 HP; 1 Phase; 115/208-230V;
Delivers 76 GPM at 30 feet of head, 55 GPM at 50 feet of head, 16 GPM at 70 feet of head.

1/2 HP; 3 Phase; 208-230/460V;
Delivers 77 GPM at 30 feet of head, 55 GPM at 50 feet of head, and 37 feet of head at 70 GPM.

3/4 HP; 1 Phase; 115/208-230V;
Delivers 88 GPM at 30 feet of head, 71 GPM at 50 feet of head, and 47 GPM at 70 feet of head.

3/4 HP; 3 Phase; 208-230/460V;
Delivers 88 GPM at 30 feet of head, 70 GPM at 50 feet of head, and GPM at 70 feet of head.

1 HP; 1 Phase; 115/208-230 V;
Delivers 100 GPM at 40 feet of head, 76 GPM at 60 feet of head, and 42 GPM at 80 feet of head.

1 HP; 3 Phase; 208-230/460V;
Delivers 110 GPM at 30 feet of head, 90 GPM at 50 feet of head, and 63 GPM at 70 feet of head.

1-1/2 HP; 1 Phase; 208-230V;
Delivers 110 GPM at 50 feet of head, 85 GPM at 70 feet of head, and 66 GPM at 80 feet of head.

1-1/2 HP; 3 Phase; 208-230/460V;
Delivers 130 GPM at 30 feet of head, 110 GPM at 50 feet of head, and 85 GPM at 70 feet of head.

2 HP; 1 Phase; 208-230V; Delivers 125 GPM at 50 feet of head, 97 GPM at 70 feet of head, and 78 GPM at 80 feet of head.

2 HP; 3 Phase; 208-230/460V;
Delivers 150 GPM at 30 feet of head, 125 GPM at 50 feet of head, and 98 GPM at 70 feet of head.

3 HP; 1 Phase; 208-230V; Delivers 141 GPM at 60 feet of head, 110 GPM at 80 feet of head, and 50 GPM at 100 feet of head.

3 HP; 3 Phase; 208-230/460V;
Delivers 160 GPM at 50 feet of head, 130 GPM at 70 feet of head, and 90 GPM at 90 feet of head.

5 HP; 3 Phase; 208-230/460V;
Delivers 195 GPM at 60 feet of head, 155 GPM at 80 feet of head, 100 GPM at 95 feet of head.

Model	Order #	Description	Suct.	Disch.
710e-005-1-B	680-69621	Bronze Series, 1/2 HP, 1 ϕ , Cartridge Filter / Display Pad	One 2"	Two 2"
710e-005-3-B	680-69622	Bronze Series, 1/2 HP, 3 ϕ , Cartridge Filter / Display Pad	One 2"	Two 2"
710e-007-1-B	680-69623	Bronze Series, 3/4 HP, 1 ϕ , Cartridge Filter / Display Pad	One 2"	Two 2"
710e-007-3-B	680-69624	Bronze Series, 3/4 HP, 3 ϕ , Cartridge Filter / Display Pad	One 2"	Two 2"
710e-010-1-B	680-69625	Bronze Series, 1 HP, 1 ϕ , Cartridge Filter / Display Pad	One 2"	Two 2"
710e-010-3-B	680-69626	Bronze Series, 1 HP, 3 ϕ , Cartridge Filter / Display Pad	One 2"	Two 2"
710e-015-1-B	680-69627	Bronze Series, 1 1/2 HP, 1 ϕ , Cartridge Filter / Display Pad	One 2"	Two 2"
710e-015-3-B	680-69628	Bronze Series, 1 1/2 HP, 3 ϕ , Cartridge Filter / Display Pad	One 2"	Two 2"
710e-020-1-B	680-69629	Bronze Series, 2 HP, 1 ϕ , Cartridge Filter / Display Pad	One 2"	Two 2"
710e-020-3-B	680-69630	Bronze Series, 2 HP, 3 ϕ , Cartridge Filter / Display Pad	One 2"	Two 2"
710e-030-1-B	680-69631	Bronze Series, 3 HP, 1 ϕ , Cartridge Filter / Display Pad	One 2"	Two 2"
710e-030-3-B	680-69632	Bronze Series, 3 HP, 3 ϕ , Cartridge Filter / Display Pad	One 2"	Two 2"
710e-051-3-B	680-69633	Bronze Series, 5 HP, 3 ϕ , Cartridge Filter / Display Pad	One 3"	Two 3"
Control Panel Options				
ePanel1	940-94992	1 ϕ eSeries Control Panel without Fill / Level Manifold	N/A	N/A
ePanel2	940-95005	1 ϕ eSeries Control Panel with Fill / Level Manifold	N/A	N/A
ePanel3	940-95003	3 ϕ eSeries Control Panel without Fill / Level Manifold	N/A	N/A
ePanel4	940-95002	3 ϕ eSeries Control Panel with Fill / Level Manifold	N/A	N/A
Optional Equipment				
360e-BS	680-69619	Brominator Assembly	N/A	N/A
700e-BS	680-69620	3/4" Fill / Level Manifold Assembly	N/A	N/A

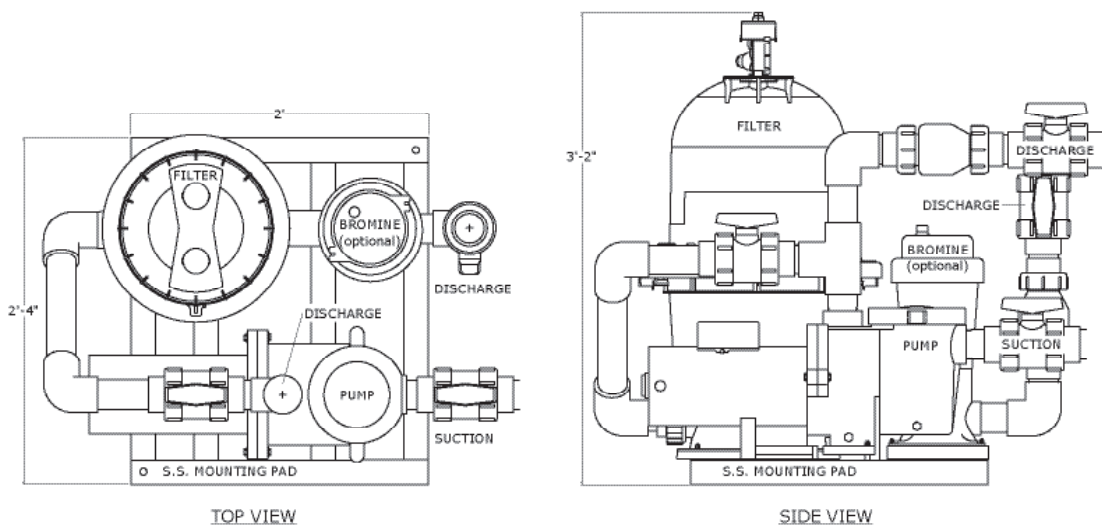
Toll Free: 1.877.426.4622
Phone: 770.457.3000
Fax: 770.457.4225
www.hobbsfountains.com



Function:

The **710e-Silver Series Cartridge Filter ePAD** is identical to the 710e Bronze Series in performance with the only exception being the use of schedule 80 PVC piping, fittings, and true union ball valves. It features high quality components and reliable construction.

- Standard system includes selected pump size and cartridge filter.
- Fill / Level Manifold and Brominator are separate, optional items.
- Control panel requirements vary depending on pump selection. A control panel is required for all systems.



PUMP INFORMATION:

1/2 HP; 1 Phase; 115/208-230V;
Delivers 76 GPM at 30 feet of head, 55 GPM at 50 feet of head, 16 GPM at 70 feet of head.

1/2 HP; 3 Phase; 208-230/460V;
Delivers 77 GPM at 30 feet of head, 55 GPM at 50 feet of head, and 37 feet of head at 70 GPM.

3/4 HP; 1 Phase; 115/208-230V;
Delivers 88 GPM at 30 feet of head, 71 GPM at 50 feet of head, and 47 GPM at 70 feet of head.

3/4 HP; 3 Phase; 208-230/460V;
Delivers 88 GPM at 30 feet of head, 70 GPM at 50 feet of head, and GPM at 70 feet of head.

1 HP; 1 Phase; 115/208-230 V;
Delivers 100 GPM at 40 feet of head, 76 GPM at 60 feet of head, and 42 GPM at 80 feet of head.

1 HP; 3 Phase; 208-230/460V;
Delivers 110 GPM at 30 feet of head, 90 GPM at 50 feet of head, and 63 GPM at 70 feet of head.

1-1/2 HP; 1 Phase; 208-230V;
Delivers 110 GPM at 50 feet of head, 85 GPM at 70 feet of head, and 66 GPM at 80 feet of head.

1-1/2 HP; 3 Phase; 208-230/460V;
Delivers 130 GPM at 30 feet of head, 110 GPM at 50 feet of head, and 85 GPM at 70 feet of head.

2 HP; 1 Phase; 208-230V; Delivers 125 GPM at 50 feet of head, 97 GPM at 70 feet of head, and 78 GPM at 80 feet of head.

2 HP; 3 Phase; 208-230/460V;
Delivers 150 GPM at 30 feet of head, 125 GPM at 50 feet of head, and 98 GPM at 70 feet of head.

3 HP; 1 Phase; 208-230V; Delivers 141 GPM at 60 feet of head, 110 GPM at 80 feet of head, and 50 GPM at 100 feet of head.

3 HP; 3 Phase; 208-230/460V;
Delivers 160 GPM at 50 feet of head, 130 GPM at 70 feet of head, and 90 GPM at 90 feet of head.

5 HP; 3 Phase; 208-230/460V;
Delivers 195 GPM at 60 feet of head, 155 GPM at 80 feet of head, 100 GPM at 95 feet of head.

Model	Order #	Description	Suct.	Disch.
710e-005-1-S	680-69634	Silver Series, 1/2 HP, 1 ϕ , Cartridge Filter / Display ePAD	One 2"	Two 2"
710e-005-3-S	680-69635	Silver Series, 1/2 HP, 3 ϕ , Cartridge Filter / Display ePAD	One 2"	Two 2"
710e-007-1-S	680-69636	Silver Series, 3/4 HP, 1 ϕ , Cartridge Filter / Display ePAD	One 2"	Two 2"
710e-007-3-S	680-69637	Silver Series, 3/4 HP, 3 ϕ , Cartridge Filter / Display ePAD	One 2"	Two 2"
710e-010-1-S	680-69638	Silver Series, 1 HP, 1 ϕ , Cartridge Filter / Display ePAD	One 2"	Two 2"
710e-010-3-S	680-69639	Silver Series, 1 HP, 3 ϕ , Cartridge Filter / Display ePAD	One 2"	Two 2"
710e-015-1-S	680-69640	Silver Series, 1 1/2 HP, 1 ϕ , Cartridge Filter / Display ePAD	One 2"	Two 2"
710e-015-3-S	680-69641	Silver Series, 1 1/2 HP, 3 ϕ , Cartridge Filter / Display ePAD	One 2"	Two 2"
710e-020-1-S	680-69642	Silver Series, 2 HP, 1 ϕ , Cartridge Filter / Display ePAD	One 2"	Two 2"
710e-020-3-S	680-69643	Silver Series, 2 HP, 3 ϕ , Cartridge Filter / Display ePAD	One 2"	Two 2"
710e-030-1-S	680-69644	Silver Series, 3 HP, 1 ϕ , Cartridge Filter / Display ePAD	One 2"	Two 2"
710e-030-3-S	680-69645	Silver Series, 3 HP, 3 ϕ , Cartridge Filter / Display ePAD	One 2"	Two 2"
710e-051-3-S	680-69646	Silver Series, 5 HP, 3 ϕ , Cartridge Filter / Display ePAD	One 3"	Two 3"
Control Panel Options				
ePanel1	940-94992	1 ϕ eSeries Control Panel without Fill / Level Manifold	N/A	N/A
ePanel2	940-95005	1 ϕ eSeries Control Panel with Fill / Level Manifold	N/A	N/A
ePanel3	940-95003	3 ϕ eSeries Control Panel without Fill / Level Manifold	N/A	N/A
ePanel4	940-95002	3 ϕ eSeries Control Panel with Fill / Level Manifold	N/A	N/A
Optional Equipment				
360e-BS	680-69619	Brominator Assembly	N/A	N/A
700e-BS	680-69620	3/4" Fill / Level Manifold Assembly	N/A	N/A

Toll Free: 1.877.426.4622
Phone: 770.457.3000
Fax: 770.457.4225
www.hobbsfountains.com



Function:

720e Series Sand Filter ePADs are pre-engineered and pre-fabricated mechanical systems designed for installation in mechanical equipment rooms on projects where an underground pumping station is not feasible. Each ePAD arrives at the jobsite assembled, tested and ready to set in place to accept the interconnecting piping and conduits. This concept allows a single source responsibility for the total fountain package.

720e Series ePADs are split into three main categories based on construction materials and component selection in order to meet specific requirements of a particular job. The **Bronze Series (B)** uses schedule 40 PVC components where possible. The **Silver Series (S)** uses schedule 80 PVC where possible. The **Gold Series (G)** is the industry standard for a truly custom and purpose-built fountain system. These three levels ensure that we are able to produce a system flexible enough to meet even the tightest project budgets.

Specifications:

Each 720e Series Sand Filter ePAD is designed and manufactured with the following required equipment and optional standards.

Mounting Pad -

- Stainless steel construction with pre-drilled anchoring points

Pumping System -

- Hobbs 315-44: 1/2, 3/4, 1, 1-1/2, 2, 3 HP Series Centrifugal Pump. 1 or 3 phase power or
- Hobbs 320-HP: 5 HP Centrifugal Pump. 3 phase power
- 115/208-230/460V available. Installer must provide additional 120V line for 460V systems
- Basket strainer included

Filtration System -

- Hobbs 352-60D Series Tagelus Sand Filter (mounted off of stainless steel pad)
- 60 GPM max through filter, system includes bypass line for remainder of flow
- Fiberglass reinforced tank
- Six position, clamp style, top mounted multiport valve

Electrical Control Panel -

- Delivered pre-wired and factory tested
- Controls pump on/off, optional water level control, and optional fountain lighting
- 1 and 3 phase versions, based on pump requirements
- 1 phase unit can control up to (3) 500W lights
- 3 phase unit can control up to (6) 500W lights

Chemical Treatment (Optional) -

- Hobbs 360e-BS Brominator Assembly
- 25,000 gallon capacity
- 60 GPM max through brominator, system includes bypass line for remainder of flow

Water Fill / Level Manifold (Optional) -

- Hobbs 700e-BS 3/4" Fill/Level Manifold
- Type "K" copper construction
- 120V, single phase, slow-closing 'make-up' valve
- Installer is responsible for back flow preventor and pressure reducing valve on incoming water line

WHAT'S WITH THE 'E'?

Effective: These systems deliver everything you'd expect from a world-class fountain manufacturer.

Economical: ePads are pre-engineered and assembled. Taking all the guess work out of the process saves you money.

Effortless: All systems are pretested and delivered to the jobsite ready to perform.

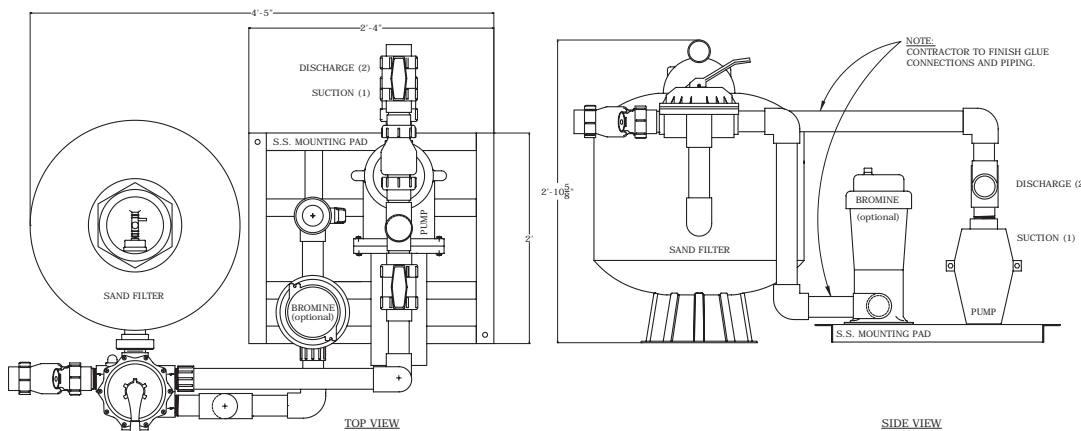
Efficient: Careful selection of energy efficient components and green friendly fabrication ensure that these systems make as little an impact as possible on our environment.



Function:

The **720e-Bronze Series Sand Filter ePAD** is our most economical sand filter system available. Made using schedule 40 PVC piping, ball valves, and fittings, it features high quality components and reliable construction.

- Standard system includes selected pump size and sand filter.
- Fill / Level Manifold and Brominator are separate, optional items.
- Control panel requirements vary depending on pump selection. A control panel is required for all systems.



Shown with optional brominator.

PUMP INFORMATION:

1/2 HP; 1 Phase; 115/208-230V;
Delivers 76 GPM at 30 feet of head, 55 GPM at 50 feet of head, 16 GPM at 70 feet of head.

1/2 HP; 3 Phase; 208-230/460V;
Delivers 77 GPM at 30 feet of head, 55 GPM at 50 feet of head, and 37 feet of head at 70 GPM.

3/4 HP; 1 Phase; 115/208-230V;
Delivers 88 GPM at 30 feet of head, 71 GPM at 50 feet of head, and 47 GPM at 70 feet of head.

3/4 HP; 3 Phase; 208-230/460V;
Delivers 88 GPM at 30 feet of head, 70 GPM at 50 feet of head, and GPM at 70 feet of head.

1 HP; 1 Phase; 115/208-230 V;
Delivers 100 GPM at 40 feet of head, 76 GPM at 60 feet of head, and 42 GPM at 80 feet of head.

1 HP; 3 Phase; 208-230/460V;
Delivers 110 GPM at 30 feet of head, 90 GPM at 50 feet of head, and 63 GPM at 70 feet of head.

1-1/2 HP; 1 Phase; 208-230V;
Delivers 110 GPM at 50 feet of head, 85 GPM at 70 feet of head, and 66 GPM at 80 feet of head.

1-1/2 HP; 3 Phase; 208-230/460V;
Delivers 130 GPM at 30 feet of head, 110 GPM at 50 feet of head, and 85 GPM at 70 feet of head.

2 HP; 1 Phase; 208-230V; Delivers 125 GPM at 50 feet of head, 97 GPM at 70 feet of head, and 78 GPM at 80 feet of head.

2 HP; 3 Phase; 208-230/460V;
Delivers 150 GPM at 30 feet of head, 125 GPM at 50 feet of head, and 98 GPM at 70 feet of head.

3 HP; 1 Phase; 208-230V; Delivers 141 GPM at 60 feet of head, 110 GPM at 80 feet of head, and 50 GPM at 100 feet of head.

3 HP; 3 Phase; 208-230/460V;
Delivers 160 GPM at 50 feet of head, 130 GPM at 70 feet of head, and 90 GPM at 90 feet of head.

5 HP; 3 Phase; 208-230/460V;
Delivers 195 GPM at 60 feet of head, 155 GPM at 80 feet of head, 100 GPM at 95 feet of head.

Model	Order #	Description	Suct.	Disch.
720e-005-1-B	680-69704	Bronze Series, 1/2 HP, 1 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-005-3-B	680-69706	Bronze Series, 1/2 HP, 3 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-007-1-B	680-69708	Bronze Series, 3/4 HP, 1 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-007-3-B	680-69710	Bronze Series, 3/4 HP, 3 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-010-1-B	680-69712	Bronze Series, 1 HP, 1 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-010-3-B	680-69714	Bronze Series, 1 HP, 3 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-015-1-B	680-69716	Bronze Series, 1 1/2 HP, 1 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-015-3-B	680-69718	Bronze Series, 1 1/2 HP, 3 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-020-1-B	680-69720	Bronze Series, 2 HP, 1 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-020-3-B	680-69722	Bronze Series, 2 HP, 3 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-030-1-B	680-69724	Bronze Series, 3 HP, 1 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-030-3-B	680-69726	Bronze Series, 3 HP, 3 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-051-3-B	680-69728	Bronze Series, 5 HP, 3 ϕ , Sand Filter / Display ePAD	One 3"	Two 3"
Control Panel Options				
ePanel1	940-94992	1 ϕ eSeries Control Panel without Fill / Level Manifold	N/A	N/A
ePanel2	940-95005	1 ϕ eSeries Control Panel with Fill / Level Manifold	N/A	N/A
ePanel3	940-95003	3 ϕ eSeries Control Panel without Fill / Level Manifold	N/A	N/A
ePanel4	940-95002	3 ϕ eSeries Control Panel with Fill / Level Manifold	N/A	N/A
Optional Equipment				
360e-BS	680-69619	Brominator Assembly	N/A	N/A
700e-BS	680-69620	3/4" Fill / Level Manifold Assembly	N/A	N/A

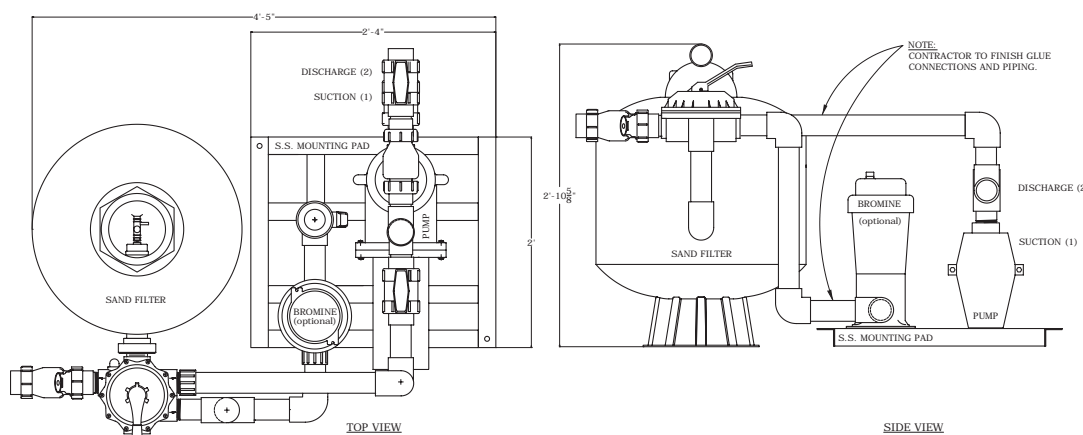
Toll Free: 1.877.426.4622
Phone: 770.457.3000
Fax: 770.457.4225
www.hobbsfountains.com



Function:

The **720e-Silver Series Sand Filter ePAD** is identical to the 720e Bronze Series in performance with the only exception being the use of schedule 80 PVC piping, fittings, and true union ball valves. It features high quality components and reliable construction.

- Standard system includes selected pump size and sand filter.
- Fill / Level Manifold and Brominator are separate, optional items.
- Control panel requirements vary depending on pump selection. A control panel is required for all systems.



Shown with optional brominator.

PUMP INFORMATION:

1/2 HP; 1 Phase; 115/208-230V;
Delivers 76 GPM at 30 feet of head, 55 GPM at 50 feet of head, 16 GPM at 70 feet of head.

1/2 HP; 3 Phase; 208-230/460V;
Delivers 77 GPM at 30 feet of head, 55 GPM at 50 feet of head, and 37 feet of head at 70 GPM.

3/4 HP; 1 Phase; 115/208-230V;
Delivers 88 GPM at 30 feet of head, 71 GPM at 50 feet of head, and 47 GPM at 70 feet of head.

3/4 HP; 3 Phase; 208-230/460V;
Delivers 88 GPM at 30 feet of head, 70 GPM at 50 feet of head, and GPM at 70 feet of head.

1 HP; 1 Phase; 115/208-230 V;
Delivers 100 GPM at 40 feet of head, 76 GPM at 60 feet of head, and 42 GPM at 80 feet of head.

1 HP; 3 Phase; 208-230/460V;
Delivers 110 GPM at 30 feet of head, 90 GPM at 50 feet of head, and 63 GPM at 70 feet of head.

1-1/2 HP; 1 Phase; 208-230V;
Delivers 110 GPM at 50 feet of head, 85 GPM at 70 feet of head, and 66 GPM at 80 feet of head.

1-1/2 HP; 3 Phase; 208-230/460V;
Delivers 130 GPM at 30 feet of head, 110 GPM at 50 feet of head, and 85 GPM at 70 feet of head.

2 HP; 1 Phase; 208-230V; Delivers 125 GPM at 50 feet of head, 97 GPM at 70 feet of head, and 78 GPM at 80 feet of head.

2 HP; 3 Phase; 208-230/460V;
Delivers 150 GPM at 30 feet of head, 125 GPM at 50 feet of head, and 98 GPM at 70 feet of head.

3 HP; 1 Phase; 208-230V; Delivers 141 GPM at 60 feet of head, 110 GPM at 80 feet of head, and 50 GPM at 100 feet of head.

3 HP; 3 Phase; 208-230/460V;
Delivers 160 GPM at 50 feet of head, 130 GPM at 70 feet of head, and 90 GPM at 90 feet of head.

5 HP; 3 Phase; 208-230/460V;
Delivers 195 GPM at 60 feet of head, 155 GPM at 80 feet of head, 100 GPM at 95 feet of head.

Model	Order #	Description	Suct.	Disch.
720e-005-1-S	680-69705	Silver Series, 1/2 HP, 1 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-005-3-S	680-69707	Silver Series, 1/2 HP, 3 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-007-1-S	680-69709	Silver Series, 3/4 HP, 1 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-007-3-S	680-69711	Silver Series, 3/4 HP, 3 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-010-1-S	680-69713	Silver Series, 1 HP, 1 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-010-3-S	680-69715	Silver Series, 1 HP, 3 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-015-1-S	680-69717	Silver Series, 1 1/2 HP, 1 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-015-3-S	680-69719	Silver Series, 1 1/2 HP, 3 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-020-1-S	680-69721	Silver Series, 2 HP, 1 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-020-3-S	680-69723	Silver Series, 2 HP, 3 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-030-1-S	680-69725	Silver Series, 3 HP, 1 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-030-3-S	680-69727	Silver Series, 3 HP, 3 ϕ , Sand Filter / Display ePAD	One 2"	Two 2"
720e-051-3-S	680-69729	Silver Series, 5 HP, 3 ϕ , Sand Filter / Display ePAD	One 3"	Two 3"
Control Panel Options				
ePanel1	940-94992	1 ϕ eSeries Control Panel without Fill / Level Manifold	N/A	N/A
ePanel2	940-95005	1 ϕ eSeries Control Panel with Fill / Level Manifold	N/A	N/A
ePanel3	940-95003	3 ϕ eSeries Control Panel without Fill / Level Manifold	N/A	N/A
ePanel4	940-95002	3 ϕ eSeries Control Panel with Fill / Level Manifold	N/A	N/A
Optional Equipment				
360e-BS	680-69619	Brominator Assembly	N/A	N/A
700e-BS	680-69620	3/4" Fill / Level Manifold Assembly	N/A	N/A

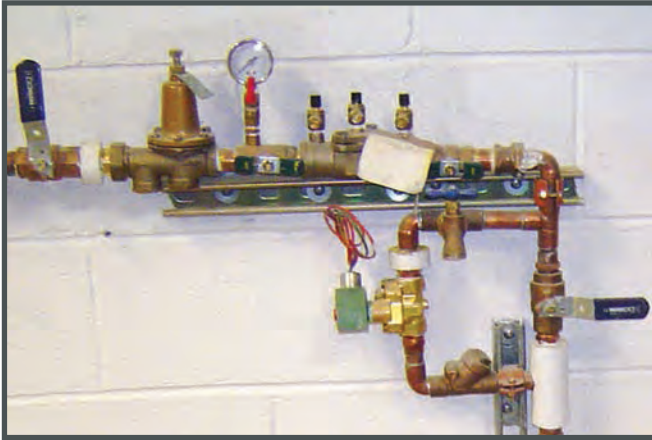
Toll Free: 1.877.426.4622
Phone: 770.457.3000
Fax: 770.457.4225
www.hobbsfountains.com

700-0200 Series

Fill Level Manifolds

Function:

The **700-0200 Series Fill Level Manifold** regulates the amount water in a system for proper performance from a pump pad or equipment room located near the fountain. In normal operation the fill manifold works in conjunction with our water level sensor and fills the pool automatically while the system is on. Our manifolds can be ordered with or without a backflow preventer (BFP) to stop chemically treated water from re-entering a service line and contaminating the city water system. The backflow preventer is recommended for lines that do not already have one installed.



Backflow preventer and wall mounted shown in this image.

Key Features:

- Available in various sizes depending on system requirements.
- Type 'K' copper construction with bronze components and fully tested before shipment.
- Comes standard with a pressure reducing valve factory set to 45 GPM.

#700-0201P: 3/4" Fill Level Control Manifold with BFP Assembly for Pump Pad.

#700-0201PM: 3/4" Fill Level Control Manifold w/o BFP Assembly for Pump Pad.

#700-0201E: 3/4" Fill Level Control Manifold with BFP Assembly for Wall Mounting.

#700-0201EM: 3/4" Fill Level Control Manifold w/o BFP Assembly for Pump Pad.

#700-0202P: 1" Fill Level Control Manifold with BFP Assembly for Pump Pad.

#700-0202PM: 1" Fill Level Control Manifold w/o BFP Assembly for Pump Pad.

#700-0202E: 1" Fill Level Control Manifold with BFP Assembly for Wall Mounting.

#700-0202EM: 1" Fill Level Control Manifold w/o BFP Assembly for Wall Mounting.

#700-0203P: 1 1/2" Fill Level Control Manifold with BFP Assembly for Pump Pad.

#700-0203PM: 1 1/2" Fill Level Control Manifold w/o BFP Assembly for Pump Pad.

#700-0203E: 1 1/2" Fill Level Control Manifold with BFP Assembly for Wall Mounting.

#700-0203EM: 1 1/2" Fill Level Control Manifold w/o BFP Assembly for Wall Mounting.

#700-0204P: 2" Fill Level Control Manifold with BFP Assembly for Pump Pad.

#700-0204PM: 2" Fill Level Control Manifold w/o BFP Assembly for Pump Pad.

#700-0204E: 2" Fill Level Control Manifold with BFP Assembly for Wall Mounting.

#700-0204EM: 2" Fill Level Control Manifold w/o BFP Assembly for Wall Mounting.

Model	Order #	Description	Ship Weight
700-0201P	680-69599	3/4" Manifold with Backflow Preventer for Pump Pad	N/A
700-0201PM	680-69600	3/4" Manifold with out Backflow Preventer for Pump Pad	N/A
700-0201E	680-69601	3/4" Manifold with Backflow Preventer for Equipment Room Wall Mounting	N/A
700-0201EM	680-69602	3/4" Manifold with out Backflow Preventer For Equipment Room Wall Mounting	N/A
700-0202P	680-69603	1" Manifold with Backflow Preventer for Pump Pad	N/A
700-0202PM	680-69604	1" Manifold with out Backflow Preventer for Pump Pad	N/A
700-0202E	680-69605	1" Manifold with Backflow Preventer for Equipment Room Wall Mounting	N/A
700-0202EM	680-69606	1" Manifold with out Backflow Preventer for Equipment Room Wall Mounting	N/A
700-0203P	680-69607	1 1/2" Manifold with Backflow Preventer for Pump Pad	N/A
700-0203PM	680-69608	1 1/2" Manifold with out Backflow Preventer for Pump Pad	N/A
700-0203E	680-69609	1 1/2" Manifold with Backflow Preventer for Equipment Room Wall Mounting	N/A
700-0203EM	680-69610	1 1/2" Manifold with out Backflow Preventer for Equipment Room Wall Mounting	N/A
700-0204P	680-69611	2" Manifold with Backflow Preventer for Pump Pad	N/A
700-0204PM	680-69612	2" Manifold with out Backflow Preventer for Pump Pad	N/A
700-0204E	680-69613	2" Manifold with Backflow Preventer for Equipment Room Wall Mounting	N/A
700-0204EM	680-69614	2" Manifold with out Backflow Preventer for Equipment Room Wall Mounting	N/A

Each Fill Level Manifold is custom manufactured per the requirements for each fountain project. Contact our office for pricing and ordering information.

Toll Free: 1.877.426.4622
 Phone: 770.457.3000
 Fax: 770.457.4225
www.hobbsfountains.com



760-0200 Series

Fill Level Manifolds

Function:

The **760-0200 Series Fill Level Manifold** regulates the amount water in a system for proper performance from a pump pad or equipment room located near the fountain. In normal operation the fill manifold works in conjunction with our water level sensor and fills the pool automatically while the system is on. This series of manifolds comes standard with a Reduced Pressure Zone (RPZ), Backflow Preventer (BFP) to stop chemically treated water from re-entering a service line and contaminating the city water system. The backflow preventer is recommended for lines that do not already have one installed.

Key Features:

- Available in various sizes depending on system requirements.
- Type 'K' copper construction with bronze components and fully tested before shipment.
- Comes standard with a pressure reducing valve factory set to 45 GPM.

Model	Order #	Description	Ship Weight
760-0201P	650-67502	3/4" Manifold with RPZ Backflow Preventer for Pump Pad	N/A
760-0201E	650-65023	3/4" Manifold with RPZ Backflow Preventer for Equipment Room Wall Mounting	N/A
760-0202P	650-67504	1" Manifold with RPZ Backflow Preventer for Pump Pad	N/A
760-0202E	650-67503	1" Manifold with RPZ Backflow Preventer for Equipment Room Wall Mounting	N/A
760-0203P	650-67506	1 1/2" Manifold with RPZ Backflow Preventer for Pump Pad	N/A
760-0203E	650-67505	1 1/2" Manifold with RPZ Backflow Preventer for Equipment Room Wall Mounting	N/A
760-0204P	650-67508	2" Manifold with RPZ Backflow Preventer for Pump Pad	N/A
760-0204E	650-67507	2" Manifold with RPZ Backflow Preventer for Equipment Room Wall Mounting	N/A

Each Fill Level Manifold is custom manufactured per the requirements for each fountain project. Contact our office for pricing and ordering information.

#760-0201P: 3/4" Fill Level Control Manifold w/ Reduced Pressure Zone BFP Assembly for Pump Pads.

#760-0201E: 3/4" Fill Level Control Manifold w/ Reduced Pressure Zone BFP Assembly for Equipment Rooms.

#760-0202P: 1" Fill Level Control Manifold w/ Reduced Pressure Zone BFP Assembly for Pump Pads.

#760-0202E: 1" Fill Level Control Manifold w/ Reduced Pressure Zone BFP Assembly for Equipment Rooms.

#760-0203P: 1-1/2" Fill Level Control Manifold w/ Reduced Pressure Zone BFP Assembly for Pump Pads.

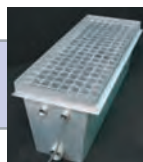
#760-0203E: 1-1/2" Fill Level Control Manifold w/ Reduced Pressure Zone BFP Assembly for Equipment Rooms.

#760-0201P: 2" Fill Level Control Manifold w/ Reduced Pressure Zone BFP Assembly for Pump Pads.

#760-0201E: 2" Fill Level Control Manifold w/ Reduced Pressure Zone BFP Assembly for Equipment Rooms.

871 Series Wet-PAK Kit

8-2



800 Series

Wet-PAK Kits

Toll Free: 1.877.426.4622
Phone: 770.457.3000
Fax: 770.457.4225
www.hobbsfountains.com

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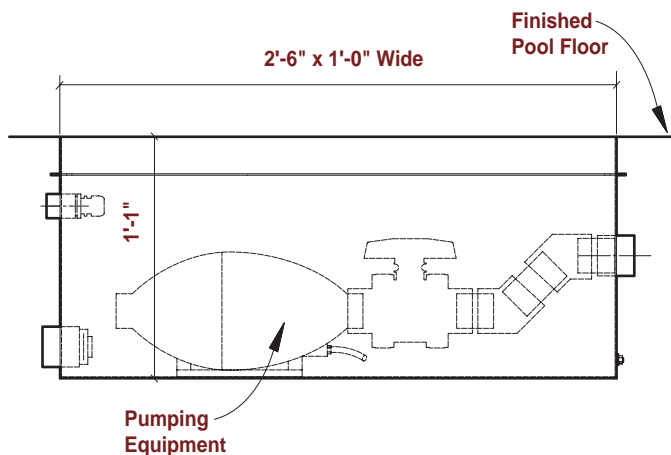
Function:

The **871 Series WET-PAK** submersible pump kit offers a unique alternative to the traditional above-floor submersible fountain pumping system by moving the pump and plumbing from plain view and into a flush mount, pre-fabricated, stainless steel pump pit. This reduces clutter on the fountain floor leaving your eyes to focus on the fountain feature, not the pumping system.

The WET-PAK also features a removable fibermat filter element that screens debris from the water, preventing clogging of the pump and piping. And to protect your investment in case someone enters the fountain, all WET-PAKS come with a fiberglass grating cover that can hold the weight of a person.

WET-PAK Pump Kits arrive at the job-site pre-assembled with pump, cord seal(s) and/or underwater junction box, discharge ball valve, drain fitting with plug, and 3/4" fitting for connection of fill piping. Once the plumbing and electrical connections have been made, and the fountain structure poured, the WET-PAK is ready for operation.

Control of the WET-PAK is typically handled by mounting a mechanical time clock or simple on/off switch in a convenient location near the fountain. Contact our office for order and price information on electrical controls. (NOTE: All power to the WET-PAK must be protected by a Class A ground fault interrupter device).



Key Features:

- 14 gauge stainless steel shell, approximately 2'-6" long x 1'-1" wide x 1'-1" deep.
- 1-1/2" drain connection and brass plug.
- Black fibermat screen element conceals unit in basin floor, and helps prevent debris clogs in pump.
- Fiberglass grating supports fibermat and provides weight bearing protection for internal components.
- Single polyamide cord seal or bronze junction box with two or three cord seals, duct seal, and potting compound.
- True-union PVC discharge ball valve to adjust water flow to the fountain display
- Installation cut-sheets available.

871 Series

Wet-PAK Kit

#871-1070X WET-PAK

Pump Kit: 1/7 HP, 120 Volt, Single Phase Motor.

#871-1030X WET-PAK

Pump Kit: 1/3 HP, 120 Volt, Single Phase Motor.

#871-1230X WET-PAK

Pump Kit: 2/3 HP, 120 Volt, Single Phase Motor.

#871-1100X WET-PAK

Pump Kit: 1 HP, 115 Volt, Single Phase Motor.

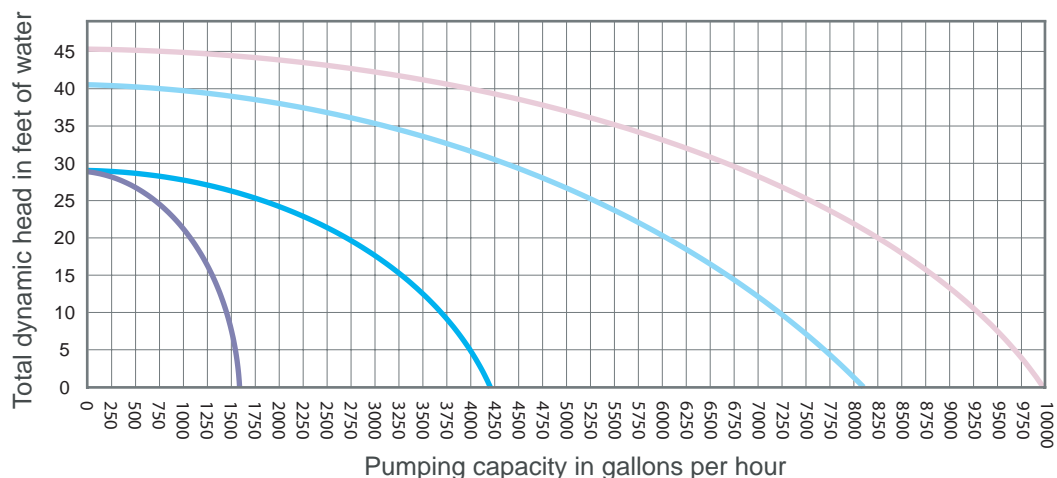
X=A, B, or C. Please specify when ordering. See below for choices.

Models ending in 'A' include 1 cord seal for electrical connection to the pump.

Models ending in 'B' include 2 cord seals with a bronze junction box and potting compound for electrical connection to the pump and 1 submersible light fixture (light fixture sold separately).

Models ending in 'C' include 3 cord seals with a bronze junction box and potting compound for electrical connection to the pump and 2 submersible light fixtures (light fixtures sold separately).

Wet-PAK Performance Curves:



Model	Order #	Description	Ship Weight
871-1070A	240-24500	WET-PAK, 1/7 HP, 120 Volt, Single Phase, One Cord Seal	37.0 lbs
871-1070B	240-24507	WET-PAK, 1/7 HP, 120 Volt, Single Phase, Two Cord Seals (Submersible Light Not Included)	37.0 lbs
871-1070C	240-24514	WET-PAK, 1/7 HP, 120 Volt, Single Phase, Three Cord Seals (Submersible Light Not Included)	37.0 lbs
871-1030A	240-24501	WET-PAK, 1/3 HP, 120 Volt, Single Phase, One Cord Seal	37.0 lbs
871-1030B	240-24508	WET-PAK, 1/3 HP, 120 Volt, Single Phase, Two Cord Seals (Submersible Light Not Included)	37.0 lbs
871-1030C	240-24515	WET-PAK, 1/3 HP, 120 Volt, Single Phase, Three Cord Seals (Submersible Light Not Included)	37.0 lbs
871-1230A	240-24502	WET-PAK, 2/3 HP, 115 Volt, Single Phase, One Cord Seal	40.0 lbs
871-1230B	240-24509	WET-PAK, 2/3 HP, 115 Volt, Single Phase, Two Cord Seals (Submersible Light Not Included)	40.0 lbs
871-1230C	240-24516	WET-PAK, 2/3 HP, 115 Volt, Single Phase, Three Cord Seals (Submersible Light Not Included)	40.0 lbs
871-1100A	240-24503	WET-PAK, 1 HP, 115 Volt, Single Phase, One Cord Seal	40.0 lbs
871-1100B	240-24510	WET-PAK, 1 HP, 115 Volt, Single Phase, Two Cord Seals (Submersible Light Not Included)	40.0 lbs
871-1100C	240-24517	WET-PAK, 1 HP, 115 Volt, Single Phase, Three Cord Seals (Submersible Light Not Included)	40.0 lbs

Terms and Conditions:

Terms for Payment

All initial orders and orders not on account are payable by credit card, COD, or cash transfer only.

Customer accounts billed via invoice are due upon receipt. Customer accounts may be established for customers with recurring orders over \$500. To qualify, a minimum of five (5) orders must be placed within a twelve month period averaging \$500 or more. Customer accounts are subject to credit approval. Accounts may be deactivated due to slow payment or non-payment on previous orders. Accounts with an outstanding balance over 30 days must be paid in full before additional sales will be completed.

Custom Orders

Custom orders require customer approval on drawings and/or specifications and will require a 50% deposit prior to manufacture. The balance will be due upon shipment. Custom orders are non-returnable.

Return Policy

Please contact Customer Service before returning any item. All cancelled orders will be treated as a returned item. Customer Service will provide instructions on the return of an item. The following conditions may apply to the return:

- All in-stock items are subject to a 20% restocking fee if returned.
- Non-stock items are subject to a 50% restocking fee if returned.
- Custom orders are non-returnable.

Credit Card Payment Authorization Form

Charge my (check one): ☐ VISA ☐ MasterCard ☐ American Express

Account Number: _____ Exp. Date: _____
(Must have on record before order can be processed)

☐ Please bill my credit card the full invoiced amount of _____

☐ Please only bill my credit card for the deposit in the amount of _____

Signature of Cardholder: _____

Name on Account: _____

Cardholder Billing Address:

Street or PO Box

City

State

Zip

Shipping address:

☐ Same as billing address

Street or PO Box

City

State

Zip

Warranty:

Hobbs Architectural Fountains (HAF) warrants the equipment sold pursuant hereto when properly installed and operated as specified by HAF to be free from defect in workmanship and material under normal use and proper operating conditions for the purpose for which it is manufactured and sold as disclosed to HAF and no other warranty or guarantee, except to title, is made or shall be implied. HAF's liability under such warranty shall be limited to repairing or replacing, FOB point of repair or replacement, any part or parts furnished by HAF which should prove defective, with the exception of electric lamps, if such part or parts are returned to such point of repair or replacement as HAF may direct, with shipping charges prepaid, within a period of one year from date of shipment. HAF's liability under such warranty for component parts, which HAF has purchased from others, shall not be greater than the warranty liability assumed by the supplier or manufacturer of such component parts. In no event shall HAF be liable under such warranty for any labor, downtime, and increase expense of operation of HAF supplied or other equipment, loss of anticipated profits or incidental or consequential damages of any kind. Buyer shall assume all responsibility for and risk of any loss or damage to all equipment sold pursuant hereto from and after delivery to the carrier. Misuse of equipment causing the flooding of the pumping station shall not be considered for warranty.

Returned equipment must be received prior to release of replacement part or no later than 30 days from issuance of conditional invoice in order to be considered for full warranty (credit). If damage is the result of defect(s) in material(s) and/or workmanship, the conditional invoice will be voided.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE WARRANTY HEREIN SET FORTH.

Regardless of any language to the contrary herein contained HAF shall not be liable for any consequential damages, nor, shall any indemnity, warranty, or hold harmless operate to make HAF liable for any act or failure to act of Buyer, Buyer's officers, employees, agents or independent contractors.