

# ACCESSORIES

Crystal Fountains manufactures a select line of water feature accessories.

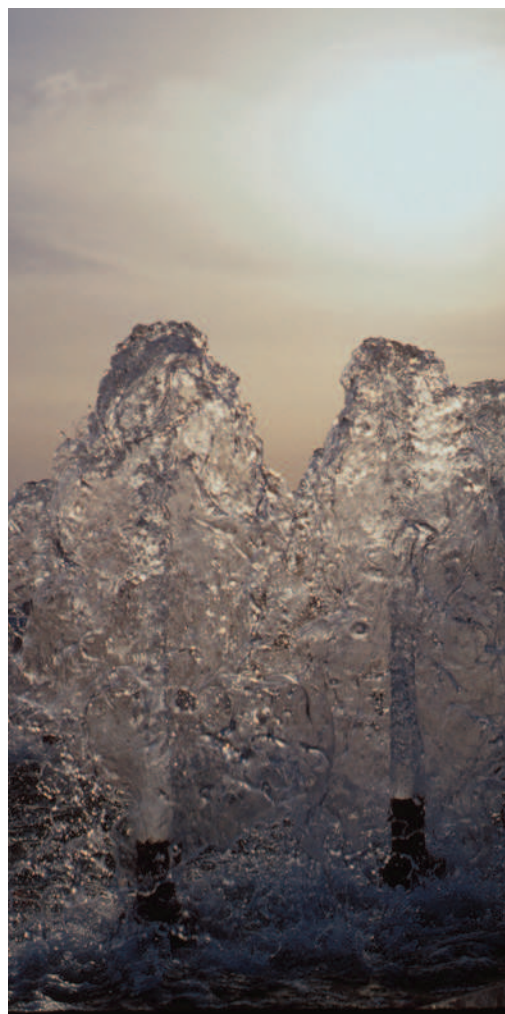
From swivel units to help align spray nozzles to hydraulic fill valves, Crystal Fountains manufactures a full line of commercial quality accessories for your fountain needs.

## General Information for Accessories

### Standard Threading:

Standard threading on components are National Pipe Thread (NPT) unless requested otherwise at the time of order. All thread sizes less than 26mm will be NPT.

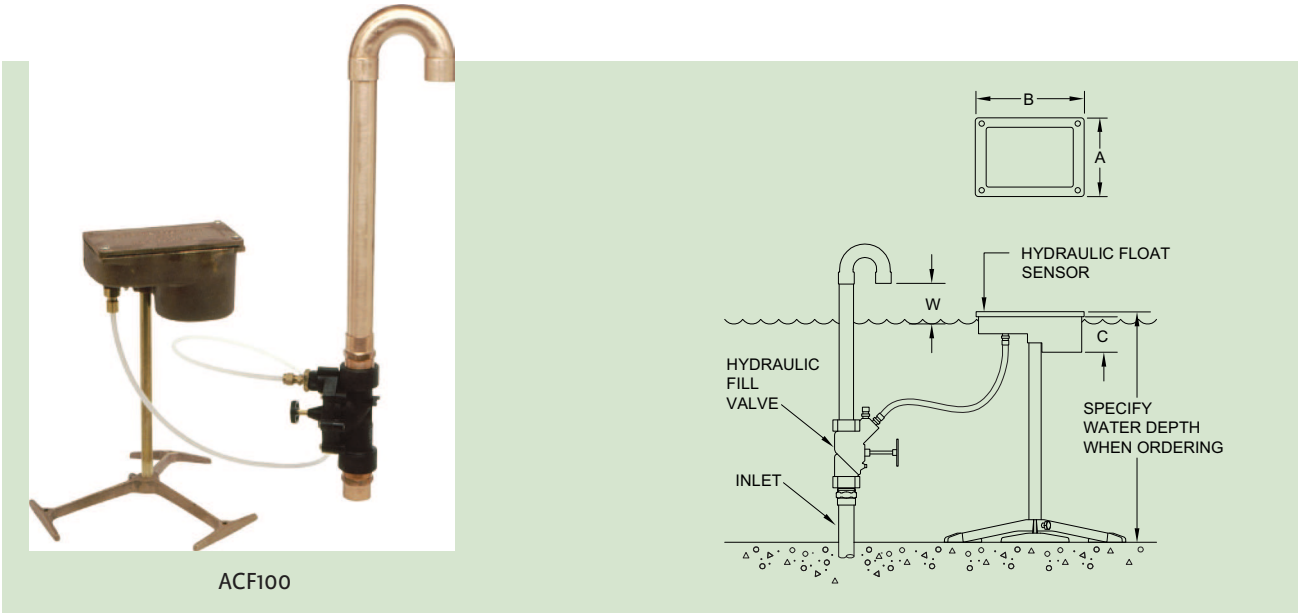
204	ACCESSORIES
205	ACF Series – Heavy-Duty Hydraulic Water Level Control
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## ACF Series – Heavy-Duty Hydraulic Water Level Control

Freestanding, non-electric hydraulic water level controls with quick fill action for medium-sized and large pools. Variable height adjustments and slow closing feature prevent shock from water hammer. Fill spout and valve assembly attach to in-pool water supply. Specify water depth when ordering. Made of brass, copper and stainless steel.

*\*Contact Crystal Fountains for detailed specifications, installation and operation details.*

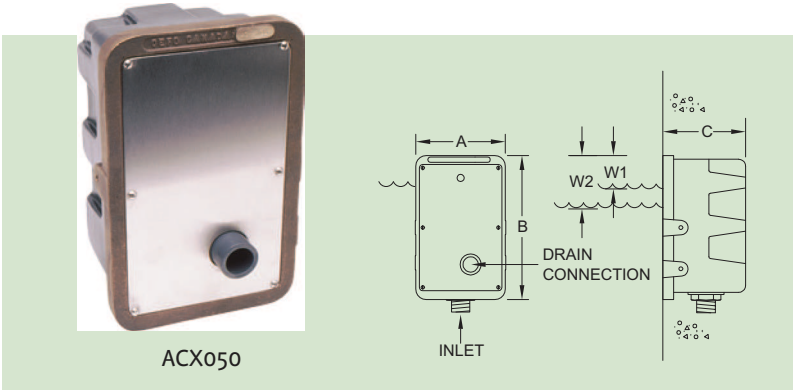


DIMENSIONS					PERFORMANCE
Part No.	inlet (b.s.p.t.)	a dim. (mm)	b dim. (mm)	c dim. (mm)	LPM at 15 PSI
ACF075	¾"	77	153	89	151.0
ACF100	1"	77	153	89	151.0
ACF125	1 ¼"	77	153	89	322.0
ACF150	1 ½"	77	153	89	341.0
ACF200	2"	77	153	89	454.0

# ACX Series – Light Duty Hydraulic Water Level Control

Flush, wall mounted, non-electric hydraulic water level control with built-in level adjustment automatically fills smart fountains. Available with optional brass cover plate or vandal resistant kit. Made of cast bronze frame with stainless steel cover.

*\*Contact Crystal Fountains for detailed specifications, installation and operation details.*



DIMENSIONS					PERFORMANCE				
Part No.	inlet (b.s.p.t.) (auto fill)	Drain Conn. (b.s.p.t.)	a dim. (mm)	b dim. (mm)	c dim. (mm)	w1 dim. (mm)	w2 dim. (mm)	Recommended Water Pressure (PSI)	Recommended Flow (LPM)
ACX050 / ACX051	1/2"	2"	166	254	147	61	93	25 to 50	19.0
ACX100 / ACX101	1"	2"	166	254	147	51	83	35 max.	34.0

## How to Order

Choose Sensor		
Sensor Type	Cover Material	Part No.
19 LPM	Stainless Steel	ACX050
	Brass	ACX051
34 LPM	Stainless Steel	ACX100
	Brass	ACX101

CHOOSE ADDITIONAL OPTIONS	
Options	Add Suffix
Chromed Frame	Q
Vandal Resistant Driver Kit	V

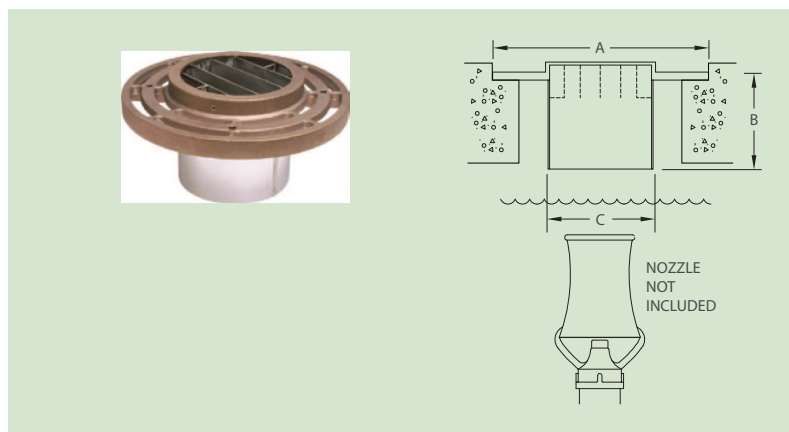


This product is available under our Quick Ship program! See page 15 for more details.

## ADF Series – Spray-Thru Sleeve

Used in “dry pool” applications where it is desirable to conceal water reservoir and jets beneath pool floor slab. Ideal for areas prone to vandalism. Cascading water projects through sleeve and drains through the surface flange. Made of cast bronze and stainless steel.

*\*Contact Crystal Fountains for detailed specifications, installation and operation details.*



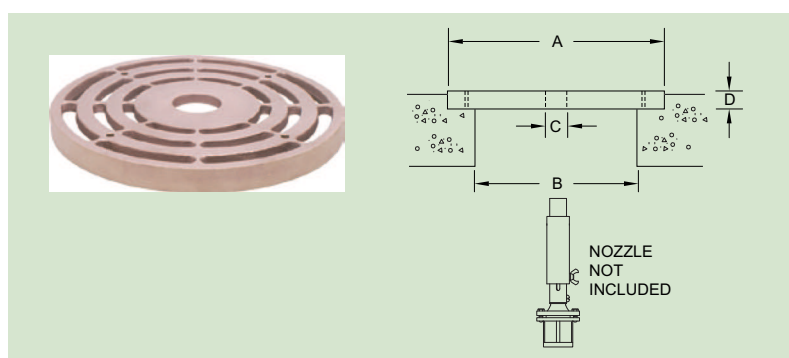
### DIMENSIONS

Part No.	a dim. (mm)	b dim. (mm)	c dim. (mm)
ADF100	305	159	159

## ADG Series – Spray-Thru Sleeve

Used in “dry pool” applications to conceal water reservoir and jets beneath pool floor slab. Ideal for areas prone to vandalism. Cascading water projects through sleeve and drains through the surface flange. Made of bronze.

*\*Contact Crystal Fountains for detailed specifications, installation and operation details.*



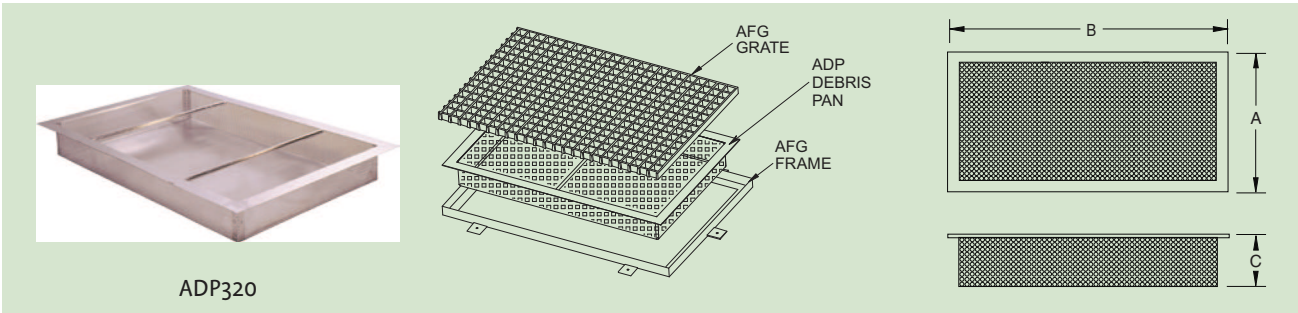
### DIMENSIONS

Part No.	a dim. (mm)	b dim. (mm)	c dim. (mm)	d dim. (mm)
ADG100	305	140	26 to 102	26

## ADP Series – Debris Pan for Sump

Fine 4mm screen debris pan fits between type AFG series sump grate to collect debris before reaching suction drains. The lift handle facilitates removal. Available in custom sizes and with optional screen openings.

*\*Contact Crystal Fountains for detailed specifications, installation and operation details.*



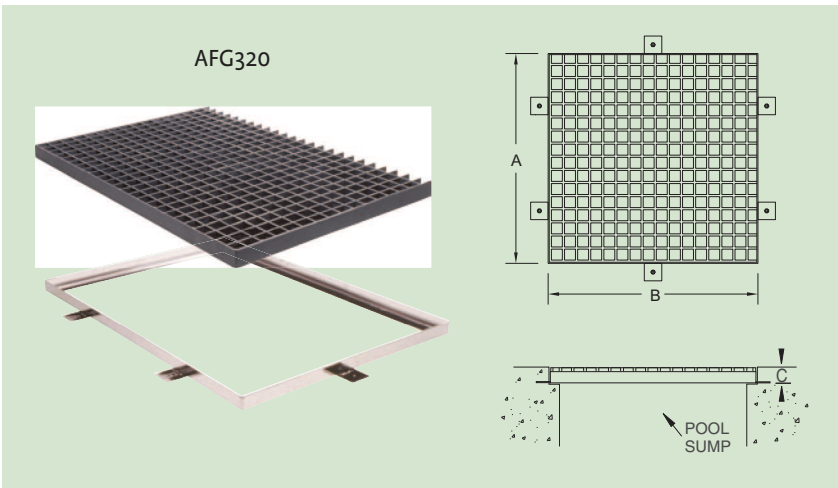
DIMENSIONS				
Part No.	a dim. (mm)	b dim. (mm)	c dim. (mm)	Open Area (cm. squared)
ADP200	610	610	102	840
ADP320	610	915	102	1290
ADP330	915	915	102	2130
ADP430	915	1220	102	2775
ADP440	1220	1220	102	4065
ADP640	1220	1524	102	5170

CHOOSE ADDITIONAL OPTIONS	
Options	Add Suffix
2 mm Screen Openings	A
5 mm Screen Openings	B

## AFG Series – Grate with Frame

For use in sumps and pump pits or access to underdeck equipment. Permits water passage while providing a safety cover to the sump. Available in custom sizes or with optional ADP series stainless steel fine screen debris pan. Made of fiberglass with a heavy-duty stainless steel frame.

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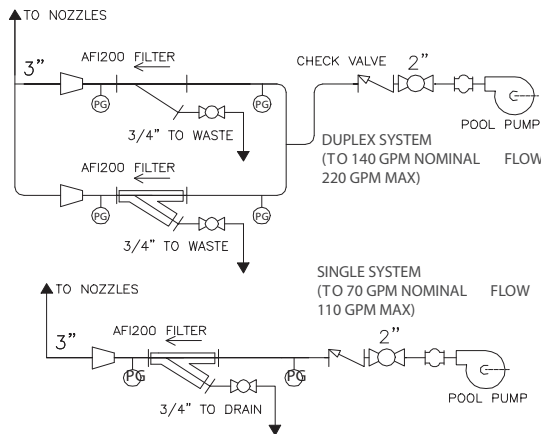
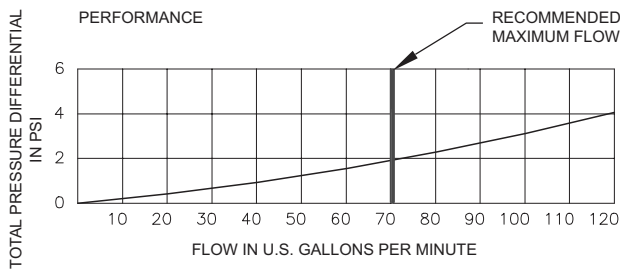
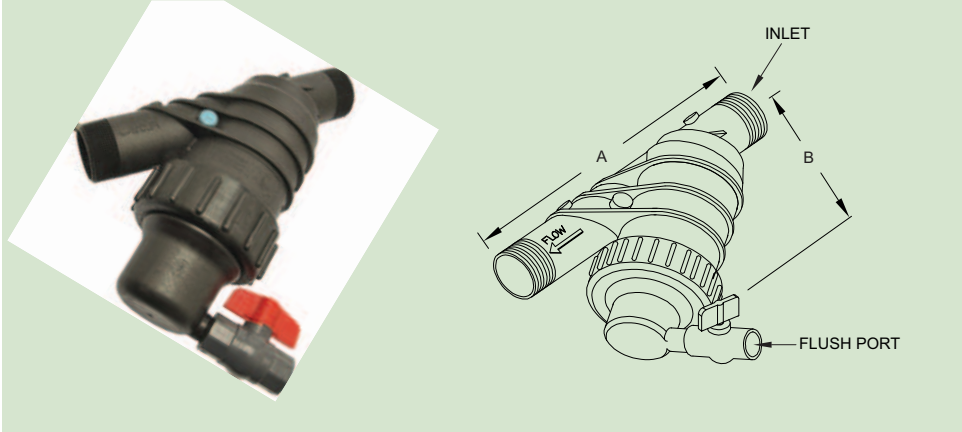


DIMENSIONS				
Part No.	a dim. (mm)	b dim. (mm)	c dim. (mm)	Open Area (cm squared)
AFG200	610	610	39	2580
AFG320	610	915	39	3870
AFG330	915	915	39	5810
AFG430	915	1220	39	7750
AFG440	1220	1220	39	10325
AFG640	1220	1524	39	12905

## AFI Series – Discharge Filter

The AFI series pump discharge filter is designed to be used with Crystal Fountains ChoreoSwitches™ or any other nozzle with small discharge passages to protect nozzles from clogging. Can be combined with other AFI filter products to increase filtration. Made of plastic and stainless steel. Available in imperial (NPT) size only.

*\*Contact Crystal Fountains for detailed specifications, installation and operation details.*



### DIMENSIONS

Part No.	Inlet (b.s.p.t.)	Flush Port (mm)	a dim. (mm)	b dim. (mm)	Mesh Opening Size (mm)	Water Pressure (PSI)	Flow Best (LPM)	Flow Max. (LPM)
AFI200	2"	20	305	305	0.6	150 max.	0.0 to 320.0	416.0

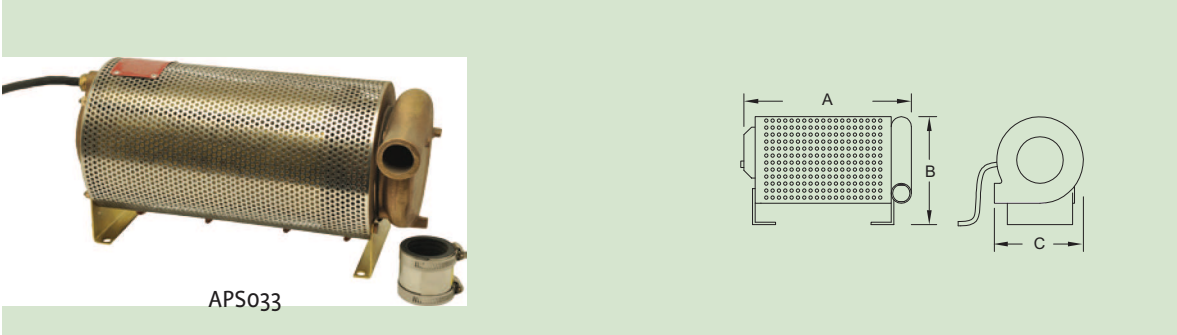
### PERFORMANCE



# APS Series – Submersible Fountain Pump

APS series submersible fountain pumps are designed for continuous operation. Comes with diaphragm pressure equalizer, automatic current and thermal overload protection. UL and ULC listed. Made of bronze construction with brass suction screen.

*\*Contact Crystal Fountains for detailed specifications, installation and operation details.*

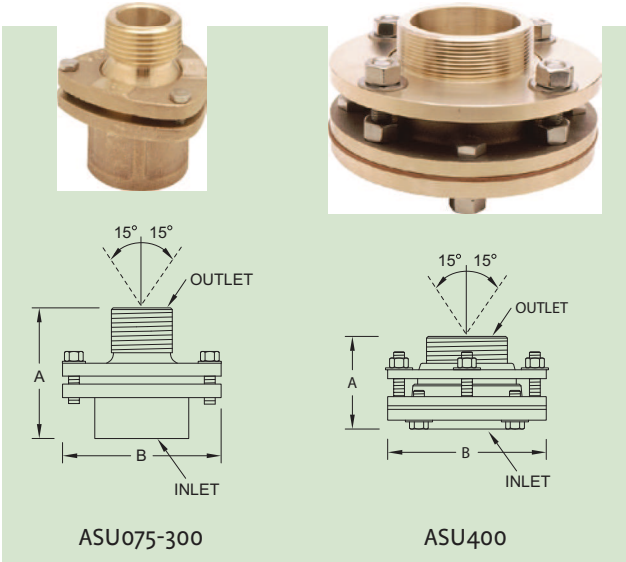


DIMENSIONS						PERFORMANCE									
Part No.	Power (hp)	Voltage (v)	a dim. (mm)	b dim. (mm)	c dim. (mm)	Head (m.)	3.1	4.6	6.1	7.7	9.2	10.1	12.2	13.8	15.3
APS033	1/3	115	407	204	197	Flow (LPM)	272.0	246.0	204.0	163.0	113.0				
APS050	1/2	115	407	204	197		341.0	314.0	272.0	238.0	204.0	159.0	106.0		
APS075	3/4	115	407	204	197		378.0	352.0	318.0	284.0	250.0	219.0	174.0	113.0	
APS100	1	230	407	204	197		424.0	405.0	386.0	360.0	333.0	303.0	257.0	204.0	151.0

# ASU Series – Swivel Connector

Connects to the bottom of nozzles to help directional alignment after installation (up to 15° of adjustment from center line). Made of cast bronze and stainless steel fitted.

*\*Contact Crystal Fountains for detailed specifications, installation and operation details.*



DIMENSIONS				
Part No.	Inlet (b.s.p.t.)	Outlet (b.s.p.t.)	a dim. (mm)	b dim. (mm)
ASU075	3/4"	3/4"	64	58
ASU100	1"	1"	70	64
ASU125	1 1/4"	1 1/4"	83	77
ASU150	1 1/2"	1 1/2"	96	83
ASU200	2"	2"	127	115
ASU300	3"	3"	147	153
ASU400	4"	4"	132	226

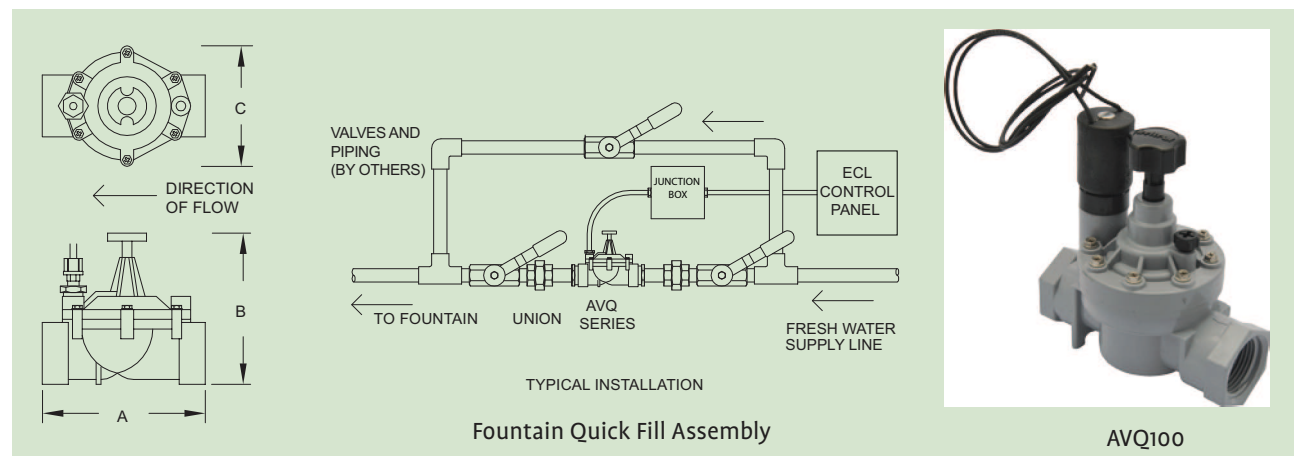


These products (excluding ASU300) are available under our Quick Ship program! See page 15 for more details.

## AVQ Series – Solenoid Actuated Fill Valve

Solenoid fill valve used in conjunction with electronic water level sensors and ECL control panel to maintain optimum pool water levels. Has manual shut off as well as slow open/close feature to prevent waterhammer. Available in 24VAC. Made of PVC and stainless steel.

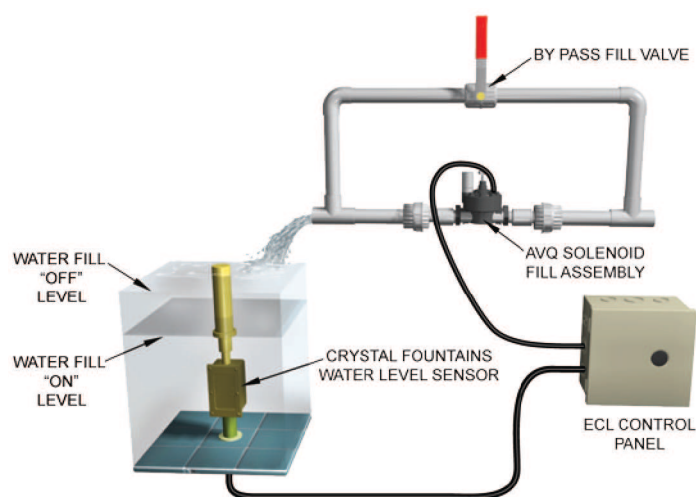
*\*Contact Crystal Fountains for detailed specifications, installation and operation details.*



### DIMENSIONS

### PERFORMANCE

Part No.	Inlet (b.s.p.t.)	Voltage	Watts Hold	Watts in Rush	a dim. (mm)	b dim. (mm)	c dim. (mm)	Flow (LPM)	38.0	57.0	76.0	113.0	151.0	189.0	227.0	303.0	378.0	454.0	530.0
AVQ100	1"	24 VAC	4.8 VA	9.6 VA	102	121	77	Head (m.)	0.8	1.6	2.9	3.7							
AVQ150	1 1/2"	24 VAC	4.8 VA	9.6 VA	140	197	108				0.8	0.8	1.6	2.2	2.9				
AVQ200	2"	24 VAC	4.8 VA	9.6 VA	159	216	127						0.8	0.8	1.1	1.6	2.9		
AVQ300	3"	24 VAC	4.8 VA	9.6 VA	207	267	162						1.6	1.6	1.6	2.2	2.9	3.7	4.3

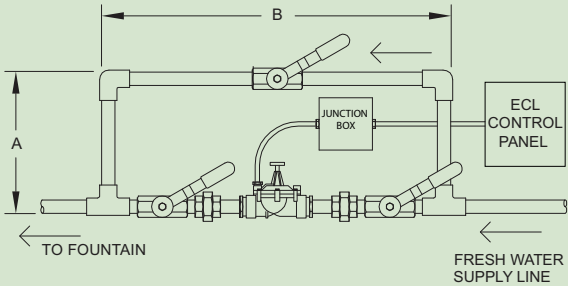
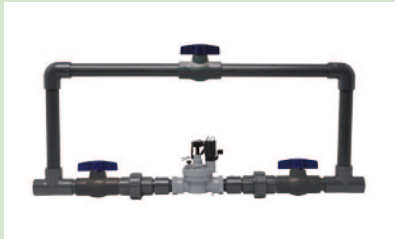


TYPICAL SYSTEM DESIGN



## AVR Series – Solenoid Activated Fill Valve with Manifold

Solenoid fill valve used in conjunction with electronic water level sensors and ECL control panel to maintain proper pool water levels. This version comes equipped with a pre-assembled manifold (solenoid fill valve, unions and shut off valve) for easy installation. Fill valve has manual shut off as well as slow-open/close feature to prevent waterhammer. Available in 24VAC. Made of PVC and stainless steel.

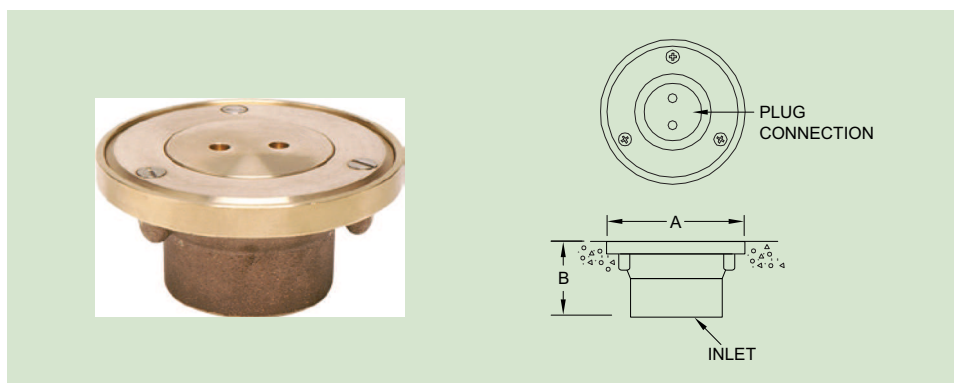


DIMENSIONS							PERFORMANCE											
Part No.	Inlet (b.s.p.t.)	Voltage	Watts Hold	Watts in Rush	a dim. (mm)	b dim. (mm)	Flow (LPM)	38.0	57.0	76.0	113.0	151.0	189.0	227.0	303.0	378.0	454.0	530.0
AVR100	1"	24 VAC	4.8 VA	9.6 VA	254	458	Head (m.)	0.8	1.6	2.9	3.7							
AVR150	1 1/2"	24 VAC	4.8 VA	9.6 VA	254	458				0.8	0.8	1.6	2.2	2.9				
AVR200	2"	24 VAC	4.8 VA	9.6 VA	381	762						0.8	0.8	1.1	1.6	2.9		
AVR300	3"	24 VAC	4.8 VA	9.6 VA	381	762						1.6	1.6	1.6	2.2	2.9	3.7	4.3

## AWA Series – Vacuum Fitting

Precision engineered for heavy-duty fountain use. Supplied with vandal resistant vacuum plug. Available with optional security key/cover removal or membrane clamp. Made of cast bronze with stainless steel fasteners.

*\*Contact Crystal Fountains for detailed specifications, installation and operation details.*



### DIMENSIONS

Part No.	Inlet (b.s.p.t.)	Plug (mm)	a dim. (mm)	b dim. (mm)
AWA150	1 1/2"	39	159	48

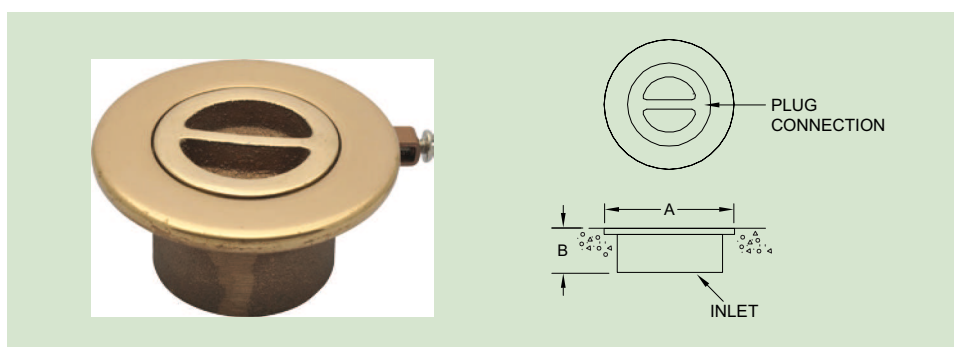
### CHOOSE ADDITIONAL OPTIONS

Options	Add Suffix
Security Key	K
Membrane Clamp	L

## AWB Series – Vacuum Fitting

Cast-in-concrete vacuum fitting used for pool maintenance. Supplied with vacuum plug. Made of cast bronze.

*\*Contact Crystal Fountains for detailed specifications, installation and operation details.*



### DIMENSIONS

Part No.	Inlet (b.s.p.t.)	Plug (mm)	a dim. (mm)	b dim. (mm)
AWB150	1 1/2"	39	159	45

### CHOOSE ADDITIONAL OPTIONS

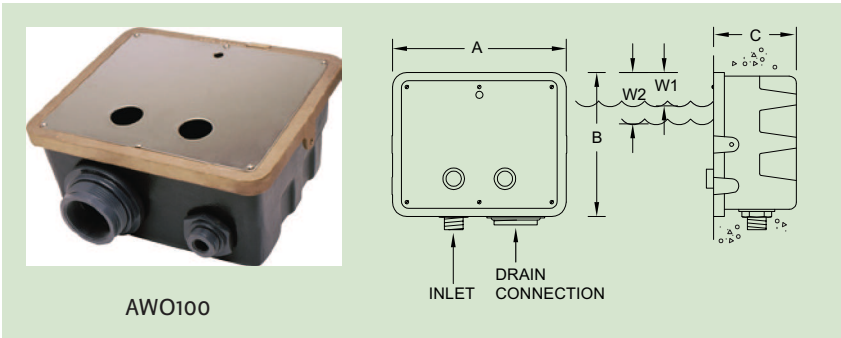
Options	Add Suffix
Security Key	K
Membrane Clamp	L

# AWO Series – Combination Hydraulic Water Level and Overflow

## Assembly

Flush, wall mounted, non-electric combination hydraulic water level control with built-in level adjustment and overflow drain. Automatically fills small to medium-sized pools and drains overflow water through a built-in adjustable drain. Available with optional brass cover plate or vandal resistant kit. Made of bronze with stainless steel cover, plastic body and quick-fill valve.

*\*Contact Crystal Fountains for detailed specifications, installation and operation details.*



DIMENSIONS						PERFORMANCE			
Part No.	Inlet (b.s.p.t.) (auto-fill)	Outlet (n.p.t.) (mm)	a dim. (mm)	b dim. (mm)	c dim. (mm)	w1 (mm)	w2 (mm)	Recommended Water Pressure (PSI)	Recommended Flow (LPM)
AWO050	1/2"	51	305	254	140	61	86	25 to 50	19.0
AWO100	1"	51	305	254	140	45	77	35 max.	34.0

## How to Order

CHOOSE SENSOR		
Sensor Type	Cover Material	Part No.
19 LPM	Stainless Steel	AWO050
	Brass	AWO051
34 LPM	Stainless Steel	AWO100
	Brass	AWO101

CHOOSE ADDITIONAL OPTIONS	
Options	Add Suffix
Vandal Resistant Driver Kit	V

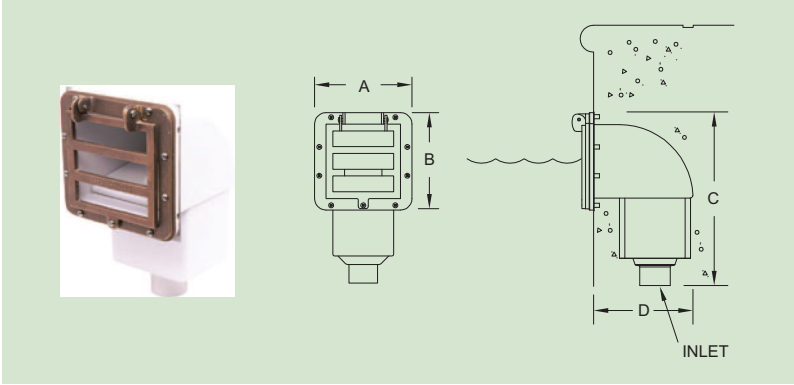


This product is available under our Quick Ship program! See page 15 for more details.

# AWS Series – Wall Skimmer

Ideal for surface skimming of leaves and debris. Front access allows for easy cleaning. Hinged and secured face grille prevents vandalism. Wall skimmer made of extruded plastic. Integral debris basket and floating weir skimmer, face plate and hinged grille made of cast bronze.

*\*Contact Crystal Fountains for detailed specifications, installation and operation details.*



## DIMENSIONS

Part No.	Inlet (b.s.p.t.)	a dim. (mm)	b dim. (mm)	c dim. (mm)	d dim. (mm)
AWS150	1 1/2"	191	185	318	159



This product is available under our Quick Ship program! See page 15 for more details.