



# Sump & Sewage Accessories



## COMMITTED TO EXCELLENCE



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Manufacturer of Seal Well Products

# SWING CHECK VALVES

Standard PVC swing check valves provide reliable back flow protection for your sump and sewage pump installations. The angled seat design minimizes flow reversal, and potentially damaging hydraulic shock (water hammer). This, coupled with corrosion resistant non-metallic components, results in a long lasting, reliable valve.

Quality Canadian Made



by Boshart Industries

Quiet series valves are a great solution for sump, sewage, pool and spa applications. Quiet series valves offer all the features as the standard series, with the addition of a spring loaded flapper which closes quicker, eliminating noise caused by water hammer.

**AVAILABLE in Slip, Slip with Union & Compression Connections**

Features	Standard	Quiet
Full port design for less friction and easier pumping	■	■
Compatible with schedule 40 & 80 pipe	■	■
Designed for horizontal or vertical installation	■	■
Angled seat provides quiet operation by minimizing water hammer	■	■
Neoprene Seal	■	■
Low cracking pressure ensures minimal pressure drop across the valve	0 PSI	1/2 PSI
Supplied with both 1-1/4" or 1-1/2" gasket sets	■	
Spring Loaded Flapper Assembly		■
S.S. Hinge Pin and Torsion Spring provide excellent corrosion resistance for longer life		■
No metallic parts, corrosion resistant for longer life	■	



**NOTE: Full port design for less friction and easier pumping for the 17SPCV-1215 is 1.45"**

**IMPORTANT: Best practice is to install valves in the VERTICAL position when pumping SOLID FREE liquids.**

When pumping SOLIDS/SEMI SOLIDS valve must be installed HORIZONTALLY (up to 45 angle acceptable). Extra care must be taken to ensure the flow arrow points away from the pump AND the check valve body is oriented as per the marking on the valve body HORIZONTAL USE THIS SIDE UP. Failure to position the swing check valve with the hinge of the flapper in the top center position will result in the valve not functioning properly.



## PVC SOLVENT WELD SWING CHECK

- Excellent choice for Sump, Sewage and Grinder pump applications.
- Full port design for less friction and easier pumping.
- Angled seat provides quiet operation by minimizing water hammer.
- Designed for vertical or horizontal installation.
- Manufactured from PVC type 1 grade 1 material, meeting ASTM-D1784.
- Compatible with schedule 40 & 80 pipe.
- Max Pressure: 150 PSI at 72°F.
- Body: White



# COMBINATION BALL / SWING CHECK VALVES

Standard series PVC combination ball / swing check valves allow for wastewater pumping applications combining both in-line shut off and back flow prevention. The check valves feature an angled design, minimizing flow reversal and potentially damaging hydraulic shock (water hammer). This, coupled with corrosion resistant non-metallic components, results in a long lasting reliable valve.



Quiet series combination valves are a great solution for sump, sewage, pool and spa applications, ideal when extremely quiet operation is desired. Quiet series valves offer all the features as the standard series, with the addition of a spring loaded flapper which closes quicker, eliminating noise caused by water hammer.

Features	Standard	Quiet
Full port design for less friction and easier pumping	■	■
True union design for servicing	■	■
Double O-ring valve seal on blow-out proof stem	■	■
Polyethelene ball valve seats	■	■
Durable ABS ball valve handle	■	■
Compatible with schedule 40 & 80 pipe	■	■
Designed for horizontal or vertical installation	■	■
Angled seat minimizes water hammer	■	■
Neoprene Seal	■	■
Low cracking pressure ensures minimal pressure drop across the valve	0 PSI	1/2 PSI
Spring Loaded Flapper Assembly		■
S.S. Hinge Pin and Torsion Spring provide excellent corrosion resistance for longer life		■
No metallic parts, corrosion resistant for longer life	■	



## TECHNICAL DATA - COMPRESSION FITTINGS

**BUNA-N SEALS** The gasket seal is made of high quality Buna-N Elastomeric compound which meets the requirements of ASTM D-2000. It is generally resistant to many hydrocarbons, fats, oils, greases, hydraulic fluids and chemicals. It is generally attacked by Ozone, Keytones, Esters, Aldehydes, chlorinated and nitro hydrocarbons. Reference chemical resistance under NBR (Nitrile) Elastomers for specific listings.

**DOUBLE SEAL** of standard compression fitting. A compressive action is created as the cap is tightened squeezing the Buna-N seals into the tapered recessed areas of the cap and body. This process creates a highly concentrated pressure at the two "double seal" points, thus providing positive protection against leakage.

**ACME THREAD** General purpose 10 pitch Acme thread on Compression cap section, eliminates the possibility of cross threading. This smooth running design prevents binding or galling as is often experienced in standard tapered threads.

**COMPRESSION CONNECTIONS** Compression cap should be drawn up, hand tight to ensure proper alignment and seating of gasket, then tighten 3/4 to 1 turn with a Spanner Wrench or strap wrench. Average torque should be approximately 25 foot pounds on 1/2" through 2" IPS, and 35 foot pounds on 2-1/2" and larger IPS. Compression fittings are not recommended for use on compressed air lines or natural gas lines.

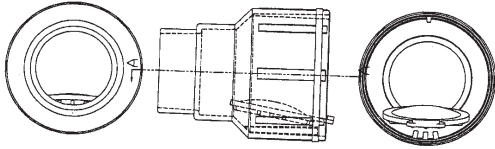
**THREAD CONNECTIONS** Use teflon tape on all IPS thread connections. IPS thread connection should be made hand tight plus 1/2 to 3/4 turn with a wrench.

**THRUST BLOCKING** When installing the Standard Compression Seal fittings the pipe line must be restrained from lateral movement by thorough soil compaction on straight runs and thrust blocking at change of direction or reduction in size. Not recommended for use on pipe lines suspended on hangers.

# SUMP PUMP CHECK VALVES

## FEATURES

- Full Port design for easier pumping
- Angled seat reduces noise, water hammer and wear on flapper
- Valve flapper and seat design prevents debris from building up and getting caught to ensure proper seating
- Durable ABS body
- All stainless steel clamps



**ZERO OBSTRUCTION-VALVE SEAL OPENS 100%**

## MODELS DESIGNED TO BE THREADED DIRECTLY INTO PUMP DISCHARGE

- Available in 9 different configurations

## MODELS DESIGNED FOR QUICK AND EASY INLINE INSTALLATION

- Valves come completely assembled with flexible rubber coupling
- Available in 1-1/4", 1-1/2" or dual purpose 1-1/2", 1-1/4"



## 2" SUMP/SEWAGE CHECK VALVE

- Stainless steel fasteners
- Valves come completely assembled with flexible rubber coupling
- 15° angle seat reduces flapper travel, noise and water hammer



Quality Canadian Made



by Boshart Industries

## 1/2 HP FLOAT SWITCHES - PUMP UP & PUMP DOWN - IMPORT

- 862D series contacts are normally open, used for emptying / high level alarm applications
- 862U series contacts are normally closed, used for filling / low level alarm applications
- High impact, corrosion resistance, Black Polypropylene float housing
- Available in 10, 15, 20, 30, 50 foot cord lengths
- SJOW flexible CPE rubber (Chlorinated Polyethylene) 16 gauge, 2 conductor cable
- Mechanically activated, wide angle pump switch, not sensitive to rotation or turbulence
- Operating Temperature: 140°F (60°C)
- Ratings: 13 amps - 1/2 HP @ 120 VAC / 1 HP @ 120 VAC 50/60 Hz
- UL Listed to ANSI/UL 508 & CSA Listed to CSA-C22.2 No. 14 Standards



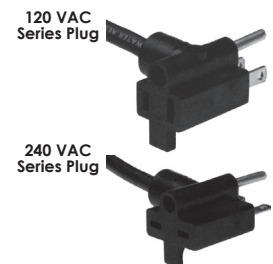
## 1/2 HP FLOAT SWITCHES - PUMP UP & PUMP DOWN - DOMESTIC

- 860D series contacts are normally open, used for emptying / high level alarm applications
- 860U series contacts are normally closed, used for filling / low level alarm applications
- High impact Grey PVC float housing provides excellent corrosion resistance
- SJOW flexible CPE rubber 14 gauge 2 conductor cable
- Available in 10, 15, 20, 30, 50 foot cord lengths
- 90 degree switching differential is mechanically activated with snap action contacts, not sensitive to rotation or turbulence
- Operating Temperature: 0 to 140°F (-17 to 60°C)
- Ratings: 13 amps - 1/2 HP @ 120 VAC / 1 HP @ 240 VAC
- cULus Listed to ANSI/UL 508 & CSA-C22.2 No. 14 Standards



## 1 & 2 HP FLOAT SWITCHES - PUMP UP & PUMP DOWN

- 870D series contacts are normally open, used for emptying / high level alarm applications
- 870U series contacts are normally closed, used for filling / low level alarm applications
- High impact Grey PVC float housing provides excellent corrosion resistance.
- SJOW flexible CPE rubber (chlorinated polyethylene) 14 gauge 2 conductor cable.
- Available in 10, 20, 30 foot cord lengths
- 90 degree switching differential is mechanically activated with snap action contacts, not sensitive to rotation or turbulence
- Operating Temperature: 0 to 140°F (-17 to 60°C)
- Ratings: 15 amps - 1 HP @ 120 VAC / 2 HP @ 240 VAC
- cULus Listed to ANSI/UL 508 & CSA-C22.2 No. 14 Standards



## CONTROL SENSOR SWITCHES

- High impact Black PVC float housing provides excellent corrosion resistance
- SJOW flexible CPE rubber (chlorinated polyethylene) 18 gauge 2 conductor cable, 10 to 50 foot cable available
- 10 degree switching differential is mechanically activated with snap action contacts, not sensitive to rotation or turbulence
- Operating Temperature: 0 to 140°F (-17 to 60°C)
- Ratings: 4 amps - 120 / 240 VAC
- cULus Listed to ANSI/UL 508 & CSA-C22.2 No. 14 Standards

### AVAILABLE IN THREE STYLES

- Normally open switches for pump down application
- Normally closed switches for pump up application
- Double throw switches can be connected for either pump up or pump down application





# LIQUID LEVEL ALARMS

The 850H & 850L series liquid level alarms are a multi purpose alarm that can be used in a wide variety of applications such as: cisterns, residential sewage basins, septic tanks, sump basins, holding tanks, pump chambers, water tanks, and any others where detection of high or low liquid level conditions is required.

## FEATURES

- Low voltage switch circuit, the float switch operates on low voltage (9 VDC) and is isolated from main power line to reduce the possibility of shock
- 9 VDC battery (not included) back-up for temporary protection during power outages
- Green "power on" light and Red "alarm/silenced" light, the red silenced light will remain on when the switch is in the "silence" position, this provides visual notification that the signalling device is still active even though the audible alarm has been silenced.
- 103 dB buzzer alarm (@ 2 feet) with Push-to-Test switch
- Alarm comes complete with auxiliary contacts to allow connection to an auto dialer, BAS (building automation system) or SCADA (supervisory control and data acquisition) system for remote detection and notification of alarm conditions



## CONSTRUCTION / RATINGS

- Nema Type 1 enclosure with external mounting flange for quick and easy installation
- Primary Power (to alarm) 120 VAC, 60 Hz
- Secondary Power (to control switch/signalling device) Class 2, 9 VDC, 200 mA
- 5' power cord comes with cable clip for secure installation and prevents accidental disconnect from power source
- High impact PVC float housing provides excellent corrosion resistance
- SJOW flexible CPE rubber (chlorinated polyethylene) 18 gauge 2 conductor cable, 10 to 50 foot cable available
- Single pole, single throw float switch is mechanically activated with snap action contacts, not sensitive to rotation or turbulence
- Operating Temperature: 0 to 140°F ( -17 to 60°C)
- cULus Listed to ANSI/UL 2017 & CSA-C22.2 No. 205 Standards
- BAS (building automation system) or SCADA (supervisory control and data acquisition) system for remote detection and notification of alarm conditions

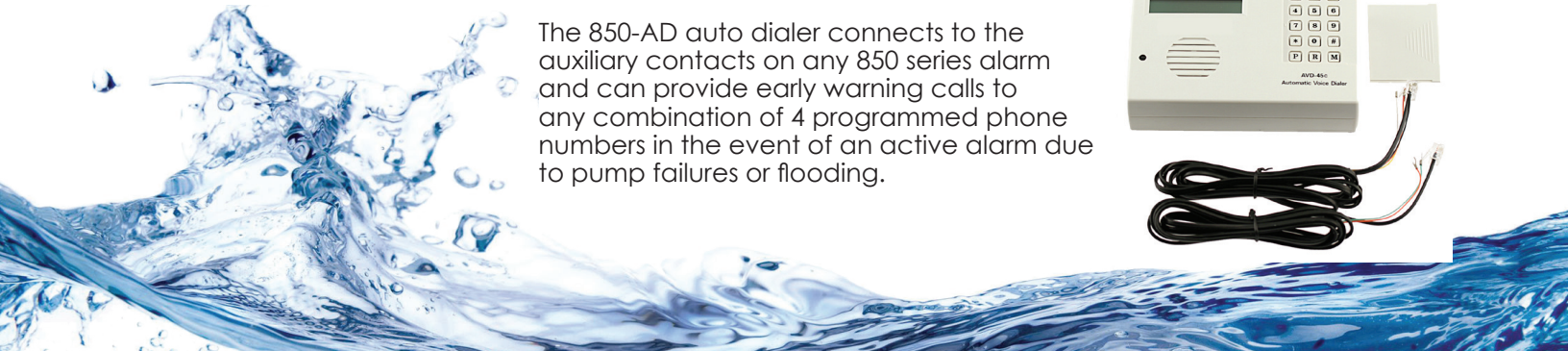


# ACCESSORIES FOR LIQUID LEVEL ALARMS

The 850-WSF water sensor is a reliable leak detection sensor that can be used in a wide variety of applications such as basements, sumps, air conditioner condensate run over, water heaters, computer and utility rooms. The sensor comes standard with a 15' (4.572 M) cable that quickly connects to any 850 series alarm. Connect up to 6 sensors for complete zone protection.

The 850-WSP water sensor is a reliable leak detection probe sensor that can be used in a wide variety of applications such as: sump basins, water tanks and drain pans. The sensor comes standard with a 15' (4.572 M) cable that quickly connects to any 850 series alarm. Connect up to 6 sensors for complete zone protection.

The 850-AD auto dialer connects to the auxiliary contacts on any 850 series alarm and can provide early warning calls to any combination of 4 programmed phone numbers in the event of an active alarm due to pump failures or flooding.



# SUMP PUMP DISCHARGE KIT



- 24 feet of corrugated polyethylene tubing complete with adapter and clamp
- Available with or without check valve
- Available with 1-1/4" or 1-1/2" discharge hose

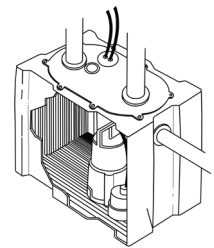


## ACCESSORIES



### THE WATER BOX

- Instantly and economically solves waste water handling problems for laundry tubs, washing machines, wet bars, dehumidifiers or any other waste water storage and pumping applications
- Accepts most submersible pump
- 1-1/2" inlet connection is threaded
- 2" vent pipe can be installed if necessary



### CABLE WEIGHT

- Provided a secure, adjustable, external pivot point for float switches
- Impact-resistant, non-corrosive PVC housing



### ADJUSTABLE CABLE WEIGHT

- Allows for easy adjustment of the tether length on sensor/non-internally weighted float switches
- Two internal grip rings to prevent slippage on the cord.
- Stainless Steel fasteners

### TAPPED PITLESS ADAPTERS

- 1-1/4" and 2" Tapped Pitless
- For underground tanks/dirty water applications
- Available in Bronze or 304 Stainless Steel



### PVC BALL CHECK

- Corrosion resistant PVC body
- Threaded female x female connection
- NITRILE (Burn-N) self-cleaning ball
- E-Z access port with nitrile seal



### BLACK NYLON CABLE CLIPS

- Prevents plug from being accidentally disconnected from the electrical outlet



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