SECTION 13

SUMP & SEWAGE ACCESSORIES

Prevents backup and ensures longevity of the system

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LIQUID LEVEL ALARMS

Boshart Liquid Level Alarm is an indoor rated alarm panel, powered by a standard 120VAC wall outlet. Installing a 9VDC battery (not included) provides battery backup during power outages. This alarm panel can be used for a variety of applications, including but not limited to: septic tanks, sumps, holding tanks, pump chambers, water tanks, flow, pressure, condensate, temperature, and any others where a "dry" contact can be connected to the alarm panels.
A variety of sensors can be used such as a float switch, pressure switch, or any "dry" type sensor that "closes" during an alarm condition (normally open or normally closed). Multiple sensors (signalling device) can be connected for expanded monitoring.
• CSA C22.2 No. 14
Temperature Range: 0°F to 140°F (-18°C to 60°C),

Part No.	Cord Length	Quantity L1	Quantity L2
Low Liquid Level Alarm , Voltage: 120 VAC, Housing: Plastic			
LLA-L50	50'	12	
LLA-L30	30'	12	
LLA-L20	20'	12	
LLA-L10	10'	12	

High Liquid Level Alarm , Voltage: 120 VAC, Housing: Plastic			
LLA-H50	50'	12	
LLA-H30	30'	12	
LLA-H20	20'	12	
LLA-H10	10'	24	
LLA-H00	0'	24	

ACCESSORIES

These accessories are for alarms, helping with installation and to detect leaks in a variety of applications.

Part No.	Size	Description	Quantity L1	Quantity L2
Flat Water Sensor This 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 LLA series alarm. Connect up to 6 sensors for complete zone protection.				
LLAWS-FL		For floor detection	1	40

Probe Water Sensor This 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 LLA series alarm. Connect up to 6 sensors for complete zone protection.				
LLAWS-PR		For tank / basin overflow detection	1	40

Cable Clip **Nylon,** This cable clip is used to prevent the plug from being accidentally disconnected from the electrical outlet. It is highly recommended that this clip is installed to secure the power cord of a float switch, pump or liquid level alarm to either the wall or electrical outlet using the outlet faceplate screw.				
890-CC516BK	5/16"		100	1000

Release Cable Tie **Nylon,** Releasable cable ties are ideal for fastening the float switch cord at the tether point. It's release feature allows the tie to be re-opened for easy adjustment of the tether length to change the pumping range for either more or less distance between the turn-on and turn-off levels.				
890-CTR14BK		14" 50# Button Release UV Black	100	5000

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BOSHART INDUSTRIES

FLOAT SWITCHES

Boshart's Float (Pump) Switch is used to turn a pump on and off in environments with temperatures up to 140° F. This product can be used for a variety of applications, including but not limited to: septic tanks, sump pits, water tank, pump chambers, and any other empty or liquid tank applications. Available in 120VAC piggyback plug, and 240VAC piggyback plug.
The float switches are mechanically operated using switching contacts and are activated by the ball inside the float housing.
For use as empty tank (normally open) or fill tank (normally closed) configuration with multiple types of float attachments for mounting and various cable lengths.
Temperature Range: 0°F to 140°F (-18°C to 60°C),

Part No.	Cord Length	Single Phase Electrical Rating	Quantity L1	Quantity L2
Pump Down , Voltage: 120 VAC, Housing: Polypropylene				
FS13D120PB-50	50'	1/2HP/120V/13AMP	1	8
FS13D120PB-30	30'	1/2HP/120V/13AMP	1	16
FS13D120PB-20	20'	1/2HP/120V/13AMP	24	24
FS13D120PB-15	15'	1/2HP/120V/13AMP	24	24
FS13D120PB-10	10'	1/2HP/120V/13AMP	24	24

Pump Down , Voltage: 240 VAC, Housing: Polypropylene				
FS13D240PB-50	50'	1.5HP/240V/13AMP	12	
FS13D240PB-30	30'	1.5HP/240V/13AMP	12	12
FS13D240PB-20	20'	1.5HP/240V/13AMP	24	24
FS13D240PB-15	15'	1.5HP/240V/13AMP	24	24
FS13D240PB-10	10'	1.5HP/240V/13AMP	1	24

Pump Up , Voltage: 120 VAC, Housing: Polypropylene				
FS13U120PB-50	50'	1/2HP/120V/13AMP	12	
FS13U120PB-30	30'	1/2HP/120V/13AMP	12	12
FS13U120PB-20	20'	1/2HP/120V/13AMP	24	24
FS13U120PB-15	15'	1/2HP/120V/13AMP	24	24
FS13U120PB-10	10'	1/2HP/120V/13AMP	24	24

Pump Up , Voltage: 240 VAC, Housing: Polypropylene				
FS13U240PB-20	20'	1.5HP/240V/13AMP	24	24
FS13U240PB-15	15'	1.5HP/240V/13AMP	24	24
FS13U240PB-10	10'	1.5HP/240V/13AMP	1	24

Pump Down , Voltage: 120 VAC, Housing: Polypropylene				
FS15D120PB-30	30'	1/2HP/120V/15AMP	12	12
FS15D120PB-20	20'	1/2HP/120V/15AMP	24	0
FS15D120PB-10	10'	1/2HP/120V/15AMP	24	24

Pump Down , Voltage: 240 VAC, Housing: Polypropylene				
FS15D240PB-30	30'	2HP/240V/15AMP	12	12
FS15D240PB-20	20'	2HP/240V/15AMP	1	16
FS15D240PB-10	10'	2HP/240V/15AMP	24	24

Pump Up , Voltage: 120 VAC, Housing: Polypropylene				
FS15U120PB-30	30'	1/2HP/120V/15AMP	12	
FS15U120PB-20	20'	1/2HP/120V/15AMP	24	24
FS15U120PB-10	10'	1/2HP/120V/15AMP	24	24

Pump Up , Voltage: 240 VAC, Housing: Polypropylene				
FS15U240PB-30	30'	2HP/240V/15AMP	12	
FS15U240PB-20	20'	2HP/240V/15AMP	24	
FS15U240PB-10	10'	2HP/240V/15AMP	24	24

BOSHART INDUSTRIES

CONTROL SENSOR SWITCHES

Boshart's Control Switch is used for the activation of alarms and controls in environments with temperatures up to 140° F. This product can be used for a variety of applications, including but not limited to: septic tanks, sump pits, holding tanks, pump chambers, water tanks, and any other liquid tanks. The control switches are mechanically operated using a microswitch and are activated by the ball inside the float housing. For use as high level (normally open/empty tank) or low level (normally closed/fill tank) configuration with multiple types of float attachments for mounting and various cable lengths. Available only in 120/240VAC bare lead models.
Temperature Range: 0°F to 140°F (-18°C to 60°C),

Part No.	Cord Length	Single Phase Electrical Rating	Quantity L1	Quantity L2
Open or Closed Sensor Switch , Voltage: 120/240 VAC, Housing:				
FSC05NOC-50	50'	120V / 240V - 5 amps	12	
FSC05NOC-40	40'	120V / 240V - 5 amps	12	
FSC05NOC-20	20'	120V / 240V - 5 amps	24	
FSC05NOC-10	10'	120V / 240V - 5 amps	24	
FSC05NO-50	50'	120V / 240V - 5 amps	12	
FSC05NO-30	30'	120V / 240V - 5 amps	12	
FSC05NO-20	20'	120V / 240V - 5 amps	24	
FSC05NO-15	15'	120V / 240V - 5 amps	1	
FSC05NO-10	10'	120V / 240V - 5 amps	24	
FSC05NC-20	20'	120V / 240V - 5 amps	24	
FSC05NC-10	10'	120V / 240V - 5 amps	1	24

CABLE WEIGHTS

Boshart's cable weights allow for easy adjustment of the tether length on sensor/non-internally weighted float switches.

Zinc Plated Cast Iron,

Boshart's Cast Iron Cable Weight is used as a pivot point for the activation of a control or pump float switch. Typically used in a tank where the float switch is suspended from a mounted float bracket or per local codes.

Part No.	Quantity L1	Quantity L2
FSACW-CI	20	

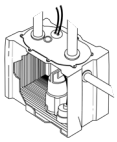
PVC,

• Uses a clip to hold the cord in place

Part No.	Quantity L1	Quantity L2
890-AW	1	8

WATER BOX

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. It accepts most submersible pumps and is constructed without seams for maximum durability. The bolt down cover allows for easy access for installation or removal of 1-1/4" or 1-1/2" sump pumps.
• 1-1/2" inlet connection is threaded
• 2" Vent Pipe can be installed if necessary



Part No.	Quantity L1	Quantity L2
Polypropylene,		
SPWB-10	1	

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BOSHART INDUSTRIES

SWING CHECK VALVES

Boshart's swing check valves are an excellent choice for sump, sewage and grinder pump applications. The full port design causes less friction and allows for easier pumping. An angled seat provides quiet operation by minimizing water hammer. They are designed for vertical (solid free liquid applications) and horizontal (solid /semisolid applications) installation. If installing horizontally 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.

- Compatible with schedule 40 & 80 pipe.
- ASTM-D1784 - PVC compounds

, Primary Material: PVC,

Part No.	Size	Maximum Working Pressure	Quantity L1	Quantity L2
Standard , Comp				
17SCC-12*	1-1/4"	125 PSI @ 72°F	12	
17SCC-15	1-1/2"	150 PSI @ 72°F	12	540
17SCC-20	2"	150 PSI @ 72°F	12	384
17SCC-30*	3"	125 PSI @ 72°F	2	
17SPCV-1215	1-1/2" or 1-1/4"	150 PSI @ 72°F	12	840
Quiet , Comp				
17QSCC-15	1-1/2"	150 PSI @ 72°F	12	540
17QSCC-20	2"	150 PSI @ 72°F	12	384
Standard , Slip				
17SCS-05*	1/2"	125 PSI @ 72°F	20	
17SCS-07*	3/4"	125 PSI @ 72°F	25	
17SCS-10*	1"	125 PSI @ 72°F	25	
17SCS-12*	1-1/4"	125 PSI @ 72°F	12	
17SCS-15	1-1/2"	150 PSI @ 72°F	9	630
17SCS-20	2"	150 PSI @ 72°F	6	420
17SCS-30*	3"	125 PSI @ 72°F	4	
17SCS-40*	4"	125 PSI @ 72°F		
Quiet , Slip				
17QSCS-20	2"	150 PSI @ 72°F	6	420
17QSCS-15	1-1/2"	150 PSI @ 72°F	9	630
Standard , Slip Union				
17SCTU-15	1-1/2"	150 PSI @ 72°F	12	540
17SCTU-20	2"	150 PSI @ 72°F	12	384
Quiet , Slip Union				
17QSCTU-15	1-1/2"	150 PSI @ 72°F	12	540
17QSCTU-20	2"	150 PSI @ 72°F	12	384

* Not manufactured by Boshart Industries

BOSHART INDUSTRIES

COMBINATION SWING/CHECK VALVES

Boshart's combination swing / check valves allow for wastewater pumping applications combining both an in-line shut off and back flow prevention. The combination check / ball valve results in a more compact installation than two separate valves. They are ideal for installation, especially where space is limited. The check valves feature an angled seat design, minimizing flow reversal and potentially damaging hydraulic shock (water hammer). Excellent choice for sump, sewage and grinder pump applications. Full port design allows for less friction and easier pumping. They are designed for vertical (solid free liquid applications) and horizontal (solid /semisolid applications) installation. If installing horizontally 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.

• Compatible with schedule 40 & 80 pipe.
• ASTM-D1784 - PVC compounds

Maximum Working Pressure: 150 PSI @ 72°F, Primary Material: PVC

Part No.	Inlet	Outlet	Design	Quantity L1	Quantity L2
Inlet: Comp, Outlet: Comp					
17QSCBV-15UC	1-1/2"	1-1/2"	Quiet	6	
17QSCBV-20UC	2"	2"	Quiet	6	
17SCBV-15UC	1-1/2"	1-1/2"	Standard	6	
17SCBV-20UC	2"	2"	Standard	6	
Inlet: Slip Union, Outlet: Slip					
17QSCBV-15SU	1-1/2"	1-1/2"	Quiet	6	
17QSCBV-20SU	2"	2"	Quiet	6	
17SCBV-15SU	1-1/2"	1-1/2"	Standard	6	
17SCBV-20SU	2"	2"	Standard	6	
Inlet: Slip Union, Outlet: Slip Union					
17QSCBV-15TU	1-1/2"	1-1/2"	Quiet	6	
17QSCBV-20TU	2"	2"	Quiet	6	
17SCBV-15TU	1-1/2"	1-1/2"	Standard	6	
17SCBV-20TU	2"	2"	Standard	6	

SUMP PUMP CHECK VALVES

Boshart's sump pump check valves feature a full port valve design. The flapper opens 100% and is seated on a 15° angle to reduce water hammer when the pump shuts off. This also prevents debris from building up or getting caught, ensuring proper seating.

Temperature Range: Up to 140°F (60°C), , Primary Material: ABS

Part No.	Inlet	Outlet	Design	Quantity L1	Quantity L2
Inlet: MPT, Outlet: Barb or Spigot					
BSC-125-B	1-1/4"	1-1/4" or 1-1/2"	Standard	20	
BSC-150-B	1-1/2"	1-1/4" or 1-1/2"	Standard	20	
Inlet: MPT, Outlet: Barb or Spigot					
BSC-125-B-AR	1-1/4"	1-1/4" or 1-1/2"	Air Release	20	
BSC-150-B-AR	1-1/2"	1-1/4" or 1-1/2"	Air Release	20	
Inlet: MPT, Outlet: Spigot					
BSC-125	1-1/4"	1-1/4" or 1-1/2"	Standard	20	
BSC-125-150S	1-1/4"	1-1/2"	Standard	20	
BSC-150	1-1/2"	1-1/4" or 1-1/2"	Standard	20	
BSC-150-150S	1-1/2"	1-1/2"	Standard	20	
Inlet: MPT, Outlet: Spigot					
BSC-125-150S-AR	1-1/4"	1-1/2"	Air Release	20	
BSC-125-AR	1-1/4"	1-1/4" or 1-1/2"	Air Release	20	
BSC-150-150S-AR	1-1/2"	1-1/2"	Air Release	20	
BSC-150-AR	1-1/2"	1-1/4" or 1-1/2"	Air Release	20	

BOSHART INDUSTRIES

SUMP PUMP CHECK VALVES

Part No.	Inlet	Outlet	Design	Quantity L1	Quantity L2
Inlet: MPT, Outlet: FRC					
BSC-125-SRS	1-1/4"	1-1/4" or 1-1/2"	Standard	10	
BSC-150-SRS	1-1/2"	1-1/4" or 1-1/2"	Standard	10	

Inlet: MPT, Outlet: FRC					
BSC-125-SRS-AR	1-1/4"	1-1/4" or 1-1/2"	Air Release	10	
BSC-150-SRS-AR	1-1/2"	1-1/4" or 1-1/2"	Air Release	10	

Inlet: MPT, Outlet: Barb					
BSC-150-150B	1-1/2"	1-1/2"	Standard	20	

Inlet: MPT, Outlet: Barb					
BSC-150-150B-AR	1-1/2"	1-1/2"	Air Release	20	

Inlet: FRC, Outlet: FRC					
BSC-125-SB	1-1/4"	1-1/4"	Standard	10	
BSC-125/150-DRS	1-1/4" or 1-1/2"	1-1/4" or 1-1/2"	Standard	10	
BSC-150-SB	1-1/2"	1-1/2"	Standard	10	

Inlet: Spigot, Outlet: Spigot					
BSC-125/150-SXS	1-1/4" or 1-1/2"	1-1/4" or 1-1/2"	Standard	10	
BSC-150-SXS	1-1/2"	1-1/2"	Standard	20	

SUMP & SEWAGE CHECK VALVE

Boshart's sump & sewage check valve feature a full port valve design. The flapper opens 100% and is seated on a 15° angle to reduce water hammer when the pump shuts off. This also prevents debris from building up or getting caught, ensuring proper seating. This check valve features a blow out proof nylon reinforced gasket design.

- Completely assembled with flexible rubber couplings on both inlet & outlet.
- 4 all stainless steel clamps provided

Temperature Range: Up to 140°F (60°C), Primary Material: ABS

Part No.	Inlet	Outlet	Design	Quantity L1	Quantity L2
Inlet: FRC, Outlet: FRC					
BSC-200-SB	2"	2"	Standard	12	528

BOSHART INDUSTRIES

BACKWATER VALVES

Boshart's backwater valves are made corrosion-free materials to ensure the inside remains smooth without flaking or pitting. The gasket on the flapper ensures a water tight seal. Used in normally horizontal drain lines and branches, the flapper design allows for unrestricted flow of effluent.
Primary Material: PVC

NO LEAD <0.25% Pb by weighted avg.

Part No.	Size	Quantity L1	Quantity L2
Slip			
171530-20	2"	8	
171530-30	3"	4	
171530-40	4"	2	

SUMP PUMP DISCHARGE KIT

Boshart's sump pump discharge kit includes 24 ft. of corrugated polyethylene sump pump tubing, plastic adapter(s) and one clamp 301 stainless band and housing - carbon steel screw. There are cutting pads at 6 ft. intervals for special applications.

NO LEAD <0.25% Pb by weighted avg.

Part No.	Size	Tube Length	Kit Includes	Quantity L1	Quantity L2
SPDKU125-24	1-1/4"	24'	1-1/4" Adapter & 1-1/4" x 1-1/2" Adapter	8	72

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