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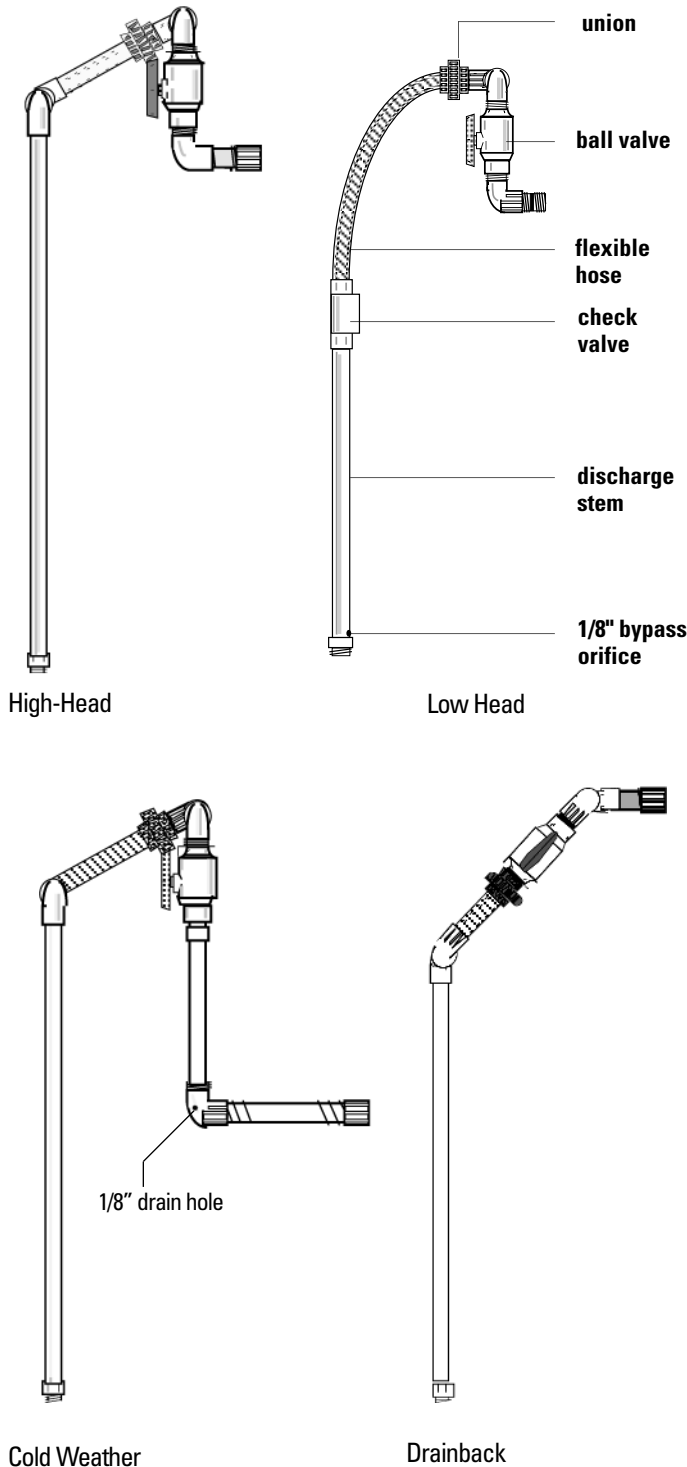
# Discharge Assemblies

Submittal  
Data Sheet



## Applications

Discharge Assemblies include all of the necessary plumbing (pipe, fittings, etc.) to convey effluent from a pump to the outside of a riser or pump basin.



## General

Oreco Discharge (Hose & Valve) Assemblies are corrosion resistant and adjustable for a proper fit. The flexible hose dampens vibration from the pump and allows for easy installation. All parts are either solvent welded or threaded and sealed with teflon paste.

"Low head style" discharge assemblies are designed for use with common effluent pumps; "high head style" discharge assemblies are designed for use with submersible turbine effluent pumps.

## Standard Models

HV100, HV125, HV150, HV200.

## Nomenclature

**HV**  -

Indicates stem length (inches):  
4, 5\*, 6\*, 8\*, 9\*, 10\*, 11, 12\*, 14\*, 15\*, 16\*, 17, 18\*, 19\*, 20, 21\*, 22\*, 23, 26, 29, 32, 35, 38, 41, 47  
\*15" sand filter basin only

Indicates HV configuration:  
Blank = field cut (high-head style)  
H = high-head style pump  
L = low-head style pump  
DB = drain back (always field cut)  
15SF = 15" sand filter basin

Indicates options:  
B = ball valve  
C = check valve  
FC = flow controller  
AS = anti-siphon

Indicates discharge diameter (inches):  
100 = 1"  
125 = 1-1/4"  
150 = 1-1/2"  
200 = 2"

Pump discharge assembly

**HVCW**  **KIT**

Indicates kit

Indicates discharge diameter (inches):  
100 = 1"  
125 = 1-1/4"  
150 = 1-1/2"  
200 = 2"

Indicates cold weather application

Pump discharge assembly

# Discharge Assemblies (continued)

<b>Component &amp; Product Code Adder</b>	<b>Sizes Available (in.)</b>	<b>Material(s) of Construction</b>	<b>General Specifications</b>																				
Anti-Siphon Valve AS	1, 1.25, 1.5, 2	Sch. 40 PVC	Working Pressure = 150 psi @ 73° F.																				
Ball Valves B	1, 1.25, 1.5, 2	Sch. 40 PVC	Working Pressure = 150 psi @ 73° F.																				
Check Valve C	1, 1.25, 1.5, 2	Sch. 40 PVC	Working Pressure = 150 psi @ 73° F.																				
Flexible Hose (standard)	1, 1.25, 1.5, 2	PVC	Length varies with system configuration. Thickness & Limiting Pressures @ 73° F: <table border="1"> <thead> <tr> <th>Size</th> <th>Wall thk.</th> <th>Working</th> <th>Bursting</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>.11"</td> <td>100 psi</td> <td>355 psi</td> </tr> <tr> <td>1 1/4"</td> <td>.13"</td> <td>80 psi</td> <td>285 psi</td> </tr> <tr> <td>1 1/2"</td> <td>.13"</td> <td>70 psi</td> <td>270 psi</td> </tr> <tr> <td>2"</td> <td>.16"</td> <td>64 psi</td> <td>230 psi</td> </tr> </tbody> </table>	Size	Wall thk.	Working	Bursting	1"	.11"	100 psi	355 psi	1 1/4"	.13"	80 psi	285 psi	1 1/2"	.13"	70 psi	270 psi	2"	.16"	64 psi	230 psi
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2"	.16"	64 psi	230 psi																				
External Flex Hose X	1, 1.25, 1.5, 2	PVC	Hose is the same as listed above																				
High-Pressure Flex Hose PR	1, 1.25, 1.5, 2	Specially compounded elastomer, synthetic, high tensile textile cord	Length varies with system configuration Thickness & Limiting Pressures @ 73° F: <table border="1"> <thead> <tr> <th>Size</th> <th>Wall thk.</th> <th>Working</th> <th>Bursting</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>.235"</td> <td>250 psi</td> <td>N/A</td> </tr> <tr> <td>1 1/4"</td> <td>.24"</td> <td>200 psi</td> <td>N/A</td> </tr> <tr> <td>1 1/2"</td> <td>.24"</td> <td>150 psi</td> <td>N/A</td> </tr> <tr> <td>2"</td> <td>.22"</td> <td>150 psi</td> <td>N/A</td> </tr> </tbody> </table>	Size	Wall thk.	Working	Bursting	1"	.235"	250 psi	N/A	1 1/4"	.24"	200 psi	N/A	1 1/2"	.24"	150 psi	N/A	2"	.22"	150 psi	N/A
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Flow Control Disk FC	1, 1.25, 1.5, 2	Sch. 80 PVC	Disk thickness = 1/8"																				
Gate Valve G	1, 1.25, 1.5, 2	Sch. 80 PVC	Working Pressure = 150 psi @ 73° F.																				
Pipe & All Fittings (standard)	1, 1.25, 1.5, 2	Sch. 40 PVC	Lengths of pipe vary with system configuration. All components are either solvent welded or threaded and sealed with teflon paste																				
Unions (standard)	1, 1.25, 1.5, 2	Sch. 80 PVC	Working Pressure = 150 psi @ 73° F.																				