

W8 Series Seal support reservoir

Liquid lubricated, dual pressurized and dual non-pressurized mechanical seals require clean, cool and well lubricated secondary seal conditions to create the optimum environment for operating mechanical seals. A properly selected reservoir system ensures dependability in these applications.



W8 seal support reservoir systems are specifically designed to support dual mechanical seals by supplying a reliable water buffer or barrier that optimally manages water consumption. The W8 Series 3 gallon reservoir is easy to install and is ideally suited for a variety of general industry services including, but not limited to, Chemical, Corn Processing Market (CPM), Pulp and Paper, Municipal Water, and Sewage.

Operating Parameters

Reservoir	pressure	temperature
General Purpose	160 psi (11 bar)	-20°F to 150°F (-28.8°C to 65.5°C)
CPM	150 psi (10.3 bar)	-20°F to 150°F (-28.8°C to 65.5°C)

Materials of Construction

Reservoir (3 gallon)	304 or 316 stainless steel
Cooling Coil (optional)	316 stainless steel

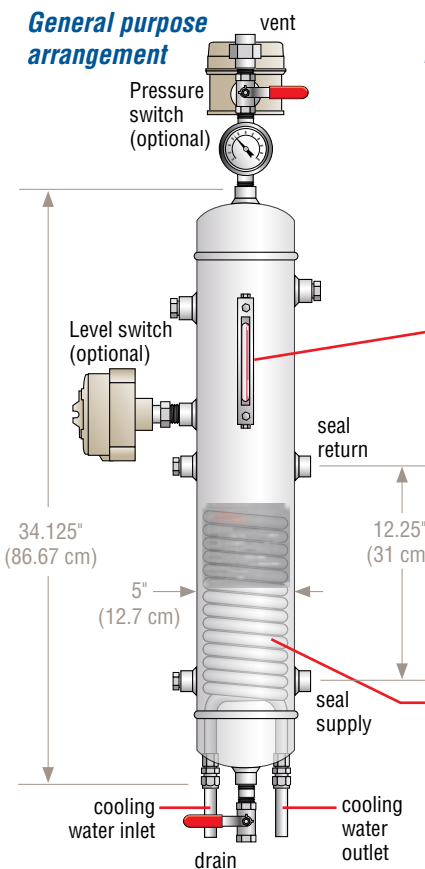
Standard and Optional Components

	52	53A	53A CPM
Pressure indicator	standard	standard	standard
Pressure switch	option	option	option
Level indicator (aluminum or 316 SS)	standard	standard	standard
Level switch	option	option	option
Ball valve (quantity)	2	2	1
Cooling coil	option	option	option
Pressure regulator			option
Flow Indicator			option
Air vent valve (brass)			standard
Orifice	standard		



W8 Series Available Piping Plans and Typical Applications

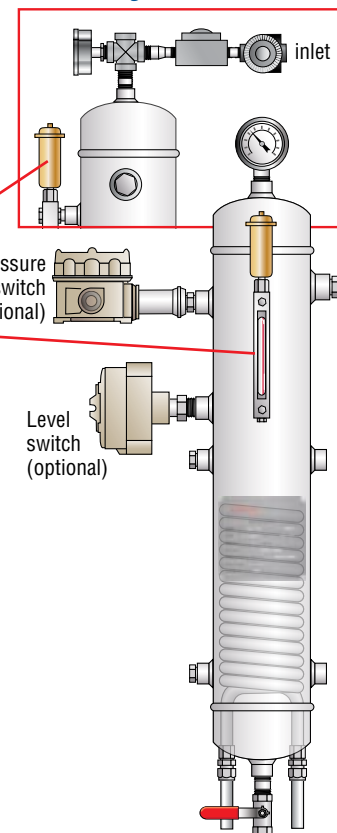
Piping Plan	Key Piping Components	Common Process Medium	Targeted Applications
Plan 52	Pressure Indicator (1) Ball Valve (2)	Chemical, Pulp and Paper, Municipal Water/Sewage	Use with dual unpressurized seals for low-pressure and medium-duty applications providing additional safety backup and minimizing process leakage to the atmosphere.
Plan 53A	Pressure Indicator (1) Pressure Ball Valve (2)	Chemical, Pulp and Paper, Municipal Water/Sewage	Use with dual pressurized seals for low-pressure to medium-duty applications minimizing impact of process fluid on seal performance and eliminating process fluid leakage to the atmosphere.
Plan 53A for Corn Processing Market (CPM)	Pressure Indicator (1) Pressure Ball Valve (1) Air Vent Valve (1)	Corn Processing Market (CPM)	



Features

- Three-gallon reservoir contains enough buffer/barrier fluid to sufficiently lubricate the seal faces under normal operating conditions. (standard)
- Air vent valve vents air from the system when reservoir pressure reaches set point. (CPM only)
- An aluminum or 316 SS fluid level sight gauge continually indicates barrier fluid (water) in reservoir. (standard)
- Pressure regulator meters and replenishes buffer/barrier from an external header system only when required by seal barrier consumption. (CPM option)
- The visual water flow indicator easily indicates excessive seal water consumption by the rapid movement of the balls under the clear dome. (CPM option)
- Cooling coil provides control of reservoir buffer/barrier temperature by means of heating or cooling with water to maintain the optimum seal operating temperature. (optional)

CPM arrangement



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Certification

ASME U Stamp (optional)
CRN (standard)
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