RESERVOIR PRESSURE VALVES

The function of a Reservoir Pressure Valve is to vent excess pressure to the suction line in order to maintain a positive pressure differential between the Oil Reservoir and Compressor.

Applications

A Reservoir Pressure Valve is used in a Low Pressure Oil Management System. It is used to vent pressure in the Oil Reservoir while still maintaining a positive pressure differential between the Oil Reservoir and the compressor crankcase. This positive pressure ensures an adequate oil supply to the Oil Level Regulators. The inlet of the valve should be connected directly to the Oil Reservoir and the outlet should be piped to suction pressure.

Reservoir Pressure Valves are suitable for use with HCFC and HFC refrigerants, and their associated oils, as well as other industrial fluids non-corrosive to brass, steel and Teflon.

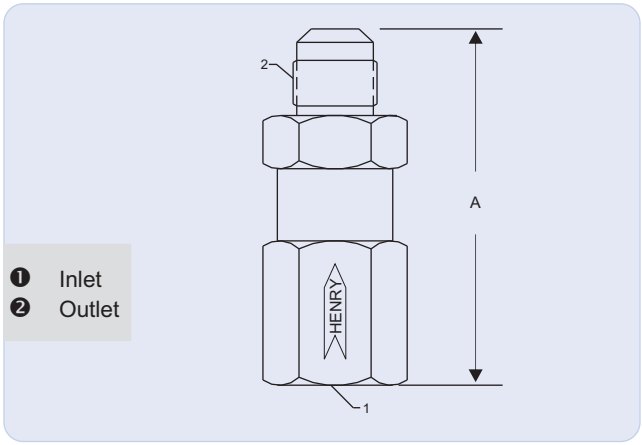
Main Features

- Proven design
- SAE flare connections
- Two different pressure settings
- Premium quality Teflon seal

Technical Specifications

Maximum working pressure = 500 PSI (34.5 Bar)
Allowable operating temperature = +15°F to +250°F (-10°C to +121°C)

The Reservoir Pressure Valves are USR and CNR recognized by Underwriters Laboratories, Inc.



Materials of Construction

The valve body components are made from brass, the spring from stainless steel and the seal from Teflon.

Selection guidelines

The S-9104 and S-9104H models provide 5 lbs. and 20 lbs. pressure differential respectively

A higher pressure differential will increase the oil flow rate from the Oil Reservoir back to the compressors.

The user should select a model taking into account individual compressor crankcase pressures along with the differential pressure range of the Oil Regulators.

Multiple Reservoir Pressure Valves may be installed in series for additional pressure requirements. Example: Installing (2) S-9104 Reservoir Pressure Valves would create a 10 PSI (0.7 Bar) differential.

Part No	Pressure Setting (lbs)	Conn Size (Inch)		Dimensions (inch)	Weight (lbs)
		Inlet	Outlet	A	
S-9104	5	3/8 SAE Flare Female	3/8 SAE Flare Male	2.51	0.29
S-9104H	20	3/8 SAE Flare Female	3/8 SAE Flare Male	2.51	0.29