

Reservoir Pressure Valves

The function of a Reservoir Pressure Valve is to control pressure in an oil reservoir.

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 reservoir and the compressor crankcase. This positive pressure ensures an adequate oil supply to the oil level regulators. The reservoir pressure valve is piped to suction pressure.

These valves are suitable for use with HCFC, HFC and CO₂ refrigerants, along with their associated oils.

Main Features

- Proven design
- Three different pressure settings
- Premium quality neoprene seal

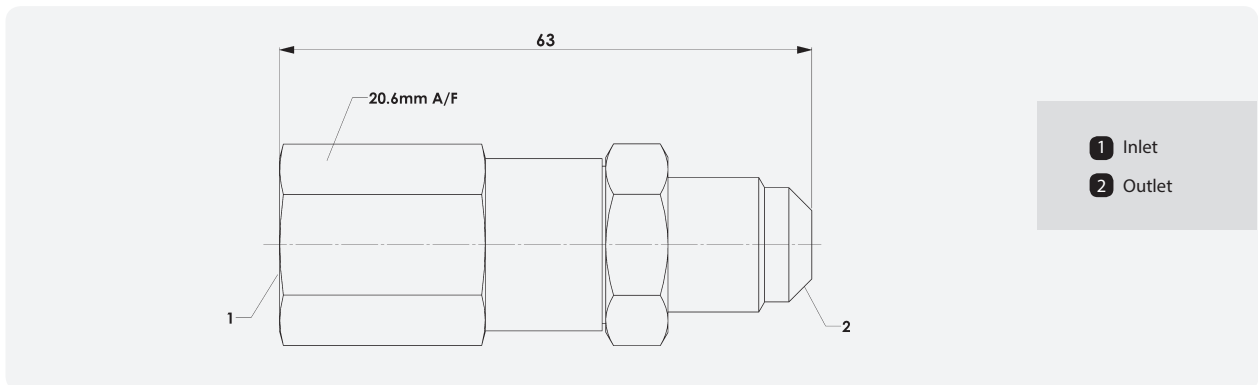
Technical Specification

Allowable operating pressure = 0 to 45 barg

Allowable operating temperature = -10°C to +120°C

Materials of Construction

The valve body components are made from brass, the spring from stainless steel and the seal from neoprene or PTFE (S-9104XHT).



| Part No | Pressure Setting (barg) | Conn Size (inch) | | Weight (kg) | CE Cat |
|-----------|-------------------------|----------------------|--------------------|-------------|--------|
| | | Inlet | Outlet | | |
| S-9104 | 0.35 fixed | 3/8 SAE Flare Female | 3/8 SAE Flare Male | 0.13 | SEP |
| S-9104H | 1.4 fixed | 3/8 SAE Flare Female | 3/8 SAE Flare Male | 0.13 | SEP |
| S-9104XH | 2.4 fixed | 3/8 SAE Flare Female | 3/8 SAE Flare Male | 0.13 | SEP |
| S-9104XHT | 2.4 fixed | 3/8 SAE Flare Female | 3/8 SAE Flare Male | 0.13 | SEP |

RESERVOIR PRESSURE VALVE

Selection guidelines

The S-9104, S-9104H and S-9104XH models provide 0.35, 1.4 and 2.4 barg pressure differentials 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. If foaming is a concern do not use the S-9104XH model.