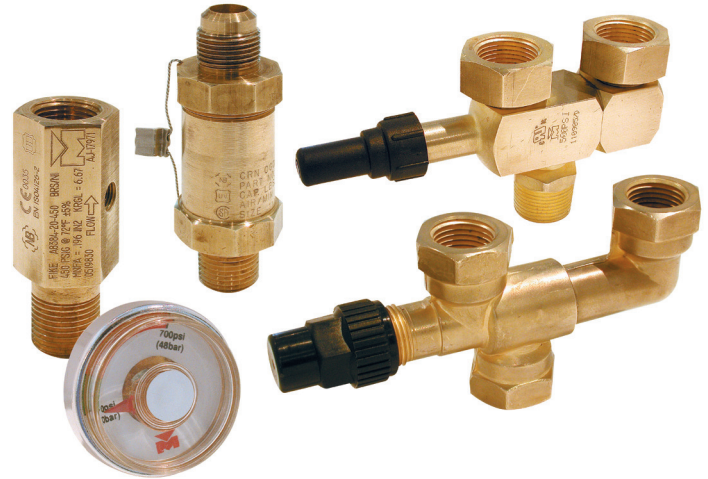


Rupture Disk Accessories

Pressure Relief Change Over Manifold

Change over manifold's are a statutory requirement in many states and countries, their main purpose is to ensure that when a pressure relief valve is removed from a system for regular servicing and inspection the plant can continue to operate safely as the second pressure relief valve has been brought in service.

The **RELIEFMASTER™** changeover manifold has been designed to provide continuous system protection in the event of PRV servicing or rupture. Each manifold has a wide internal chamber to maximise flow and assure high relief valve discharge capacities. Internally a brass to metal seat guarantees positive isolation independent of position, while providing exceptional durability. Suitable for all fluorinated refrigerants and oils to a maximum safe working pressure of 3500kpa (500psi).



Features and Benefits

Features

- Optimised body chamber for maximum flow.
- Internal stainless steel spindle to brass seat.
- All valves tested 100%
- Solid brass body.
- Male connection.

Benefits

- Will not impede PRV capacity.
- Suitable for all fluorinated refrigerants and oils up to SWP.
- Quality assured safety device.
- Stable low profile platform for a long service life.
- Easily installed directly to the receiver.

Approvals

ASME code 15 / U.V/N.B/UL (Mueller)

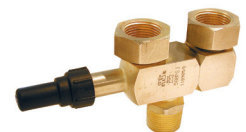
Heldon Brass Change Over Manifolds - Metal to Metal Seating Only

Heldon Part #	Description	Max W/pressure
2702-080808	Single inlet 1/2" FNPT x Dual Outlets - 1/2" FNPT	3500kpa



Mueller Brass Change Over Manifolds

Heldon Part #	Description	Max W/pressure
2701-080808	Single inlet 1/2" MNPT x Dual Outlets - 1/2" FNPT	3500kpa
2701-121212	Single inlet 3/4" MNPT x Dual Outlets - 3/4" FNPT	3500kpa
2701-161616	Single inlet 1" MNPT x Dual Outlets - 1" FNPT	3500kpa



Rupture Disc

Pressure gauge

The Mueller pressure gauge/indicator is designed to be installed in the rupture disc to indicate a leak or burst in the disc as required under the ANSI/ASME code. They are also an important safety device that indicated the presence of pressure under the pressure relief valve before its removal.

Pressure switch

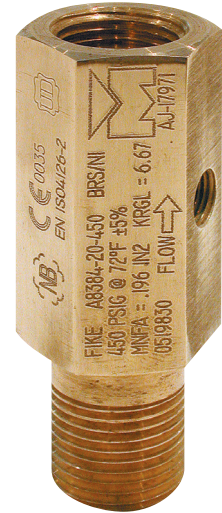
Installing a pressure switch in a rupture disc provides an inexpensive means of providing an electrical signal to warn of a potential or actual refrigerant release caused by a system malfunction. Designed to switch at between 5 and 10 psi they are capable of switching a 4amp current at 24Vac and are supplied with a 1m lead wire.

Rupture disc assemblies are designed to burst open and relieve an over pressure situation at a predetermined pressure. Located between the changeover manifold and the pressure relief valves, a rupture disc indicates which pressure relief valve has discharged. If a setting lower than to the pressure relief valve is selected for the rupture disc it should be possible with the optional switch to shut down the plant and send an alarm before a major over pressure situation occurs and sends refrigerant into the atmosphere.

The ASME code for the application of rupture disc devices in combination with pressure relief valve's states. Section VIII, Division 1, UG-127

-The marked capacity of a pressure relief valve, when installed with a rupture disc device between the inlet of the valve and the vessel, shall be multiplied by a factor of 0.90 of the rated relieving capacity of the valve alone.

- The space between a rupture disk device and a pressure relief valve shall be provided with a pressure gauge, or suitable tell tail indicator. This arrangement permits detection of disc rupture or leakage.



System Protection Devices

Mueller Rupture Disc		
Heldon Part #	Description	Access ports
2740-0808-400	1/2 MNPT x 1/2 FNPT, Pressure Setting = 2760kPa (400 psi)	1/8 FNPT
2740-0808-425	1/2 MNPT x 1/2 FNPT, Pressure Setting = 2930kPa (425 psi)	1/8 FNPT
2740-0808-450	1/2 MNPT x 1/2 FNPT, Pressure Setting = 3100kPa (450 psi)	1/8 FNPT

Features and Benefits

Features

- Designed for maximum discharge volume.
- Non-fragmenting disk.
- Dual access ports.
- Multi orientation while maintaining flow direction.
- Solid brass construction.

Benefits

- Will not impede PRV capacity.
- No chance of debris damaging the PRV seat.
- Ability to install both a gauge and switch.
- Able to be installed in any position.
- Stable platform and long service life.

Mueller Rupture Disc Gauge		
Heldon Part #	Description	Access ports
2740-gauge	1/2 MNPT x 1/2 FNPT, Pressure Setting = 2760kPa (400 psi)	1/8 MNPT
2740-switch	SPST switch, 4psi, 4Amp-24Vac	1/8 MNPT

Approvals

ASME code 15 / U.V/N.B