Fusible Devices

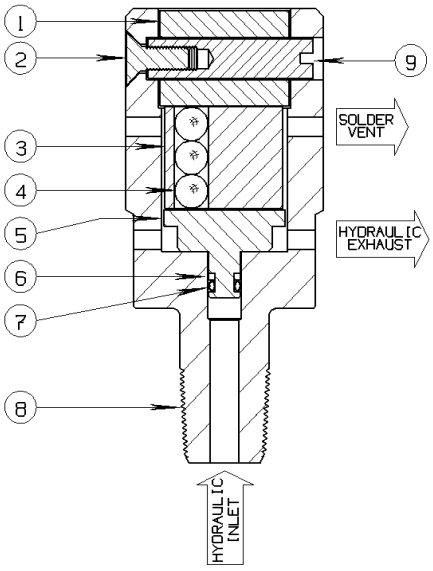
Fusible Valves - 2-Way Bleed Only

MALE NPT, 2-WAY NC, 10,000 PSI MAX



Model 15RS146-* 1/4" MNPT**
Model 15RS141-* 3/8" MNPT**
Model 15RS150-* 1/2" MNPT**

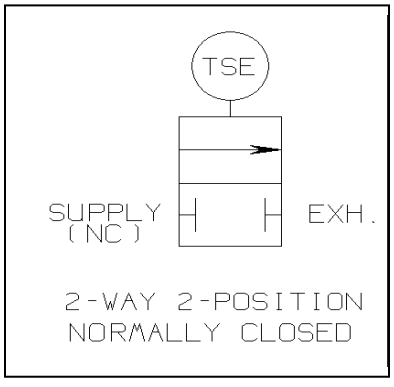
Conforms to the CE Category IV of the European Pressure Equipment Directive Issue Certificate No. 97/23/EC



Sigma 2-Way Fusible Valves are two position, two- way normally closed, **Temperature Sensitive** flow control device. Intense heat or close proximity to a fire will melt the solid Eutectic that maintains the valve's normally closed flow path. When the valve is subjected to heat that exceeds the actuation temperature, a Supply-to-Exhaust flow path will occur automatically.

Fusible Valves are used to shut-in or close safety system actuators to isolate potential fuel sources from fire.

Fusible Valves are available with four common temperatures: 158° F, 203° F, 255° F and 281° F. Other temperatures are available through special order inquiry.



PARTS LIST:

1. Fuse Retainer
2. Flat Head Screw *
3. Fusible Element *
4. Ball (9) *
5. Piston Plunger
6. Teflon Back Up *
7. O Ring *
8. Valve Body
9. Retaining Pin

* Indicates parts included in a Repair

Sigma Model Number
15RS146 - 15RS141 - 15RS150
MALE NPT, 2-WAY NC, 10,000 PSI MAX

Product Specifications

Flow Control Application: Normally Closed

Control Function: Two-Way - Stacked Ball

Pressure Rating Body (Control Ports): 10,000 PSI maximum (690 bar)

Media Service: Hydraulic Fluid

Temperature Service (Select): ____ 158° F. ____ 203° F. ____ 255° F. ____ 281° F.
Note: Other specific temperature options available through special order.

Connection Size (Body): 15RS150 1/2-14 Male N.P.T. Inlet, exhaust to atmosphere
15RS141 3/8-18 Male N.P.T. Inlet, exhaust to atmosphere
15RS146 1/4-18 Male N.P.T. Inlet, exhaust to atmosphere

Orifice: 1/4 Diameter **Cv Factor:** 1.45

Wetted Component Material (Metal)**:** 316 Stainless Steel

Seal Material: Viton

Mounting: Field Mount (Standard)

Weight: 1.3 Lb.

Operating Temperature: -20° F to +250° F (-29° C to +121° C)

Overall Dimensions: 3-3/8 Height x 1-1/2 Diameter (8.57 cm Height x 3.81 cm Diameter)

Installation and Maintenance Instructions:
If the temperature in the area of the valve exceeds the rated temperature, the valve will open and the control system will trigger an exhaust of the hydraulic fluid from the actuator through the exhaust port. Sigma recommends the use of appropriate thread sealant for each port connection.

Shelf Position Port Status

Inlet	Instrument supply pressure normally closed
Exhaust	Depressurizes instrument supply upon actuation

Repair Kit Information
Repair Kits contain all of the Seals and other components typically replaced when repairing the assembly. In order to maintain optimum operating control function.

While this information is presented in good faith and believed to be accurate, Sigma Valves does not guarantee satisfactory results from reliance upon such information. Nothing contained herein is to be constructed as a warranty or guarantee, expressed or implied, regarding the performance, merchantability, and fitness with respect to the products. Sigma Valves reserves the right, without notice, to alter or improve the designs or specifications of the products described herein.