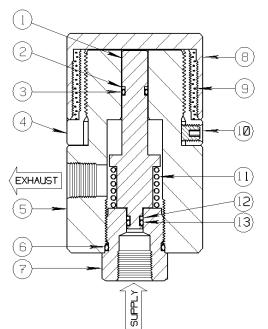
Fusible Devices Fusible Valves - 2-Way Bleed Only (Pop-Top) 1/4" FEMALE NPT, 2-WAY NC, 10,000 PSI MAX Model 15RS76 / 15RS77 (H2S)



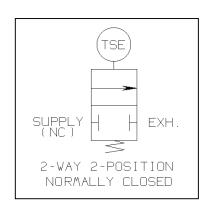
Conforms to the CE Category IV of the European Pressure Equipment Directive Issue Certificate No. 97/23/EC



The 15RS76 Fusible Valve is a 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. Plunger
- 2. Back Up Ring *
- 3. O Ring *
- 4. Connector Sub
- 5. Body
- 6. O Ring *
- 7. Retainer

- 8. Cap
- 9. Fusible Element
- 10. Set Screw *
- 11. Spring *
- 12. Back Up Ring *
- 13. O Ring *

* Indicates parts included in a Repair Kit

Manufacturing Headquarters 1420 Lakeside Parkway, Suite 109 Flower Mound, TX 75028



Tel: +1 (972) 446 8250 Fax: +1 (972) 446 8642 http://www.sigmavalves.com

Sigma Model Number 15RS76

1/4" FEMALE NPT, 2-WAY NC, 10,000 PSI MAX

Product Specifications

Flow Control Application: Normally Closed

Control Function: Two-Way - Pop Top

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): 1/4-18 Female N.P.T. Supply, Exhaust

Orifice: 1/4 Diameter <u>Cv Factor</u>:

Wetted Component Material (Metal): 316 Stainless Steel

Seal Material: Viton

Mounting: Field Mount (Standard)

Weight: 2 Lbs.

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

Overall Dimensions: 3-1/2 Height x 2 Diameter (8.89 cm Height x 5.08 cm Diameter)

Installation and Maintenance Instructions:

Install by threading the pipe or fitting from the control system into the port labeled "Supply". The piping from the hydraulic fluid reservoir is threaded into the port labeled "Exhaust". 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

InletInstrument supply pressure normally closedExhaustDepressurizes 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, Sigma recommends changing the Repair Kit items once every two (2) years.

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.