

Fusible Devices

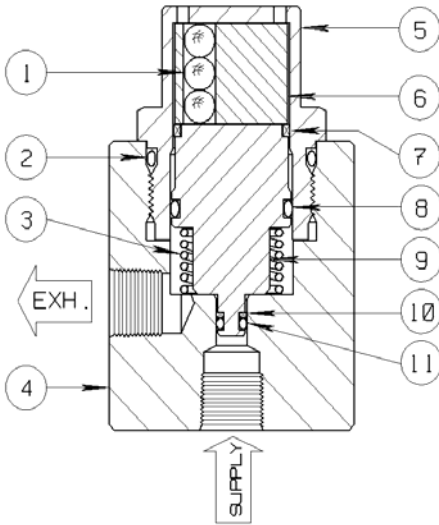
Fusible Valves - 2-Way Bleed Only

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

Model 15RS57



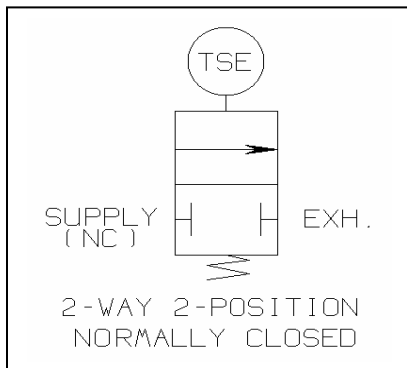
Conforms to the CE Category IV of the European Pressure Equipment Directive Issue Certificate No. 97/23/EC



The 15RS57 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. Ball (12) * | 7. TFE Guide Ring * |
| 2. O Ring * | 8. O Ring * |
| 3. Spring * | 9. Valve Piston |
| 4. Valve Body | 10. Back Up Ring * |
| 5. Fusible Housing | 11. O Ring * |
| 6. Fusible Element * | |

* Indicates parts included in a Repair Kit

Sigma Model Number 15RS57
1/4" FEMALE 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): 1/4-18 Female N.P.T. Supply Inlet, Exhaust

Orifice: 1/4 Diameter

Cv Factor: 0.71

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: 3-1/8 Height x 2 Diameter (7.94 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

Inlet Instrument supply pressure normally closed

Exhaust Depressurizes instrument supply upon actuation