

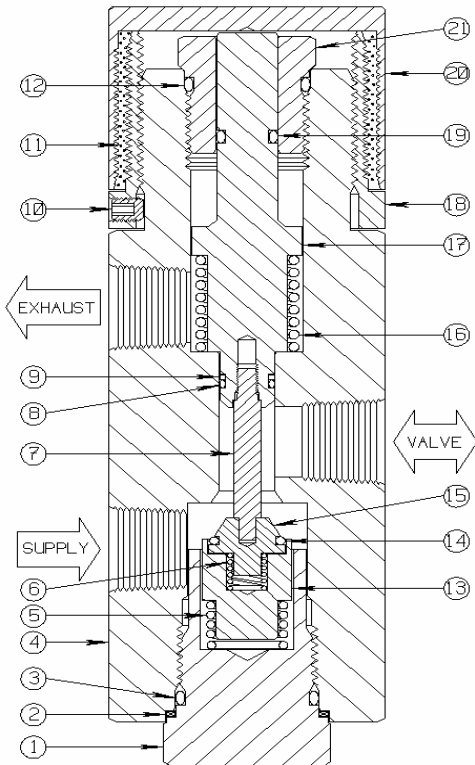
Fusible Devices

Fusible Valves - 3-Way Block & Bleed (Pop-Top)

1/2" FEMALE NPT, 3-WAY NO, 6,000 PSI MAX

Model 15RS128 Standard Service; 15RS129 NACE (H2S); 15RS164 Arctic

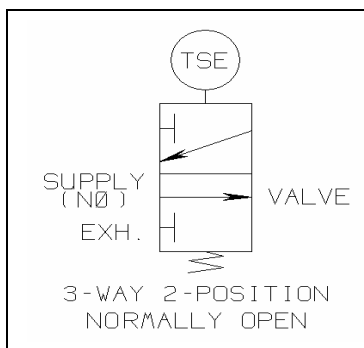
Conforms to the CE Category IV of the European Pressure Equipment Directive Issue Certificate No. 97/23/EC



The 15RS128/129/164 Fusible Valve is a two position, three-way normally open Block & Bleed, **Temperature Sensitive** flow control device. When intense heat or close proximity to a fire causes the valve temperature to exceed the eutectic melting point, valve springs (Items 5, 6, and 16) decompress moving Poppet (Item 15) to block inlet supply pressure and vent downstream (receiving circuit) pressure out the Exhaust port.

Fusible Valves are used to close safety valve actuators to isolate potential fuel sources from fire.

Fusible Valves are available in the following temperatures: 158°F, 184°F, 203°F, 255°F and 281°F.



PARTS LIST:

- | | |
|------------------------|-------------------|
| 1. Retainer | 12. O Ring * |
| 2. Copper Ring * | 13. Cup Seal |
| 3. O Ring * | 14. TFE O Ring * |
| 4. Valve Body | 15. Seat Block |
| 5. Spring * | 16. Spring * |
| 6. Spring * | 17. Valve Plunger |
| 7. Extension | 18. Sub Connector |
| 8. O Ring * | 19. O Ring * |
| 9. Back Up Ring * | 20. Pop Top Cap |
| 10. Socket Set Screw * | 21. Retainer |
| 11. Eutectic Element | |

* Indicates parts included in a Repair Kit

Sigma Model Number 15RS128/129/164

1/2" FEMALE NPT, 3-WAY NO, 6,000 PSI MAX

Product Specifications

Flow Control Application: Normally Open

Control Function: Three-Way (Block & Bleed) - Pop Top

Pressure Rating Body (Control Ports): 6,000 PSI maximum (413 bar)

Media Service: Hydraulic Fluid

Melt Temperature : 158° F. 184° 203° F. 255° F. 281° F.

Connection Size (Body): 1/2-14 Female N.P.T. Supply, Valve, Exhaust

Orifice: 7/16 Diameter **Cv Factor:** 3.00

Wetted Component Material (Metal): 316 Stainless Steel and 17-4PH SS

Seal Material: Viton and Teflon

Mounting: Line Mount (Standard)

Weight: 10 Lbs.

Operating Temperature: -20° F to +250° F (-29° C to +121° C) Arctic Service -55 F

Overall Dimensions: 7-3/4 Height x 2-1/2 O.D (19.68 cm Height x 6.35 cm)

Installation and Maintenance Instructions:

Install between the interface valve and the actuator. This is done by threading the pipe or fitting from the control system into the port labeled "Supply". The piping from the actuator is threaded into the port labeled "Valve". 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

Supply	Instrument supply pressure open to valve port
Valve	Outlet pressure to receiving control circuit (closed to exhaust port)
Exhaust	Depressurizes receiving control circuit upon actuation