

Fusible Devices

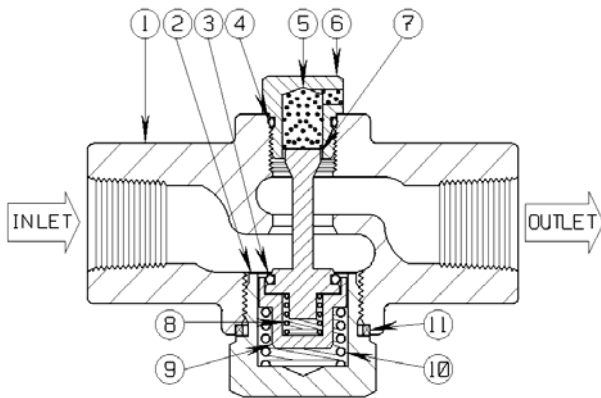
Cutoff Valves

BLOCK & BLEED, 1/2" FEMALE NPT, 250 PSI MAX

Model 15RS40



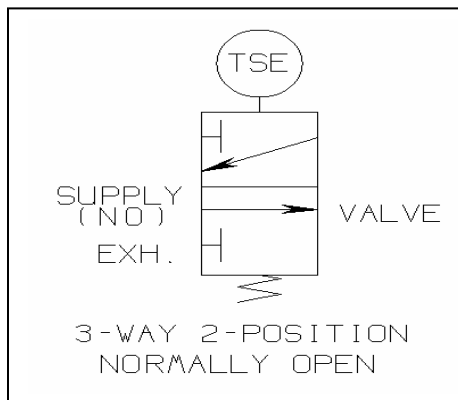
Conforms to the CE Category IV of the European Pressure Equipment Directive Issue Certificate No. 97/23/EC



The **15RS40** and **15RS92** Fire Control valves are two position, three-way normally open (Block & Bleed) temperature sensitive flow control devices. When intense heat or close proximity to a fire causes the valve temperature to exceed the eutectic melting point, the Spring decompresses and moves the Poppet to block inlet pressure and vent downstream outlet pressure through the Retainer (6).

The **15RS41** and **15RS93** valves are two position, two-way normally open (Block only) temperature sensitive flow control assemblies, these units do not vent downstream outlet pressure when actuated.

Fuel Cutoff Valves are used on many Compressors and Heaters (Fired Vessels), to shutoff or isolate potential fuel sources from fire. Fuel Cutoff 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. Valve Body | 7. Poppet |
| 2. Retainer | 8. Spring * |
| 3. O Ring * | 9. Cup Seal |
| 4. O Ring * | 10. Spring * |
| 5. Fusible Element * | 11. Seal Ring * |
| 6. Retainer * | |

* Indicates parts included in a Repair Kit

Sigma Model Number 15RS40
BLOCK & BLEED, 1/2" FEMALE NPT, 250 PSI MAX

Product Specifications

Flow Control Application: Normally Open

Control Function: Three-Way (Compressed Spring – Eutectic Material Positioned)

Pressure Rating Body (Control Ports): 250 PSI maximum (17.24 bar)

Media Service: Hydrocarbon fuel, hydraulic, pneumatic

Temperature Service (Select): ____ 158° F. ____ 203° F. ____ 255° F. ____ 281° F.

Note: Other temperature options available through special order.

Connection Size (Body): 1/2-14 Female N.P.T. (Inlet, Outlet)

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

Seal Material: Viton

Mounting: Field Mount (Standard)

Cv Factor: 0.71

Weight: 2 Lbs.

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

Overall Dimensions: 3 Height x 4 Length (7.62 cm Height x 10.16 cm Length)

Installation and Maintenance Instructions:

Install with direction of flow oriented to the arrow marked on the valve. Sigma recommends the use of appropriate thread sealant for each port connection. **No routine maintenance is required.**

Shelf Position Port Status

Inlet	Instrument supply pressure open to outlet
Outlet	To Receiving Control Circuit (Closed to Exhaust Port)
Exhaust	Depressurizes receiving control circuit upon actuation