

Lever Operated Valve BS5410



With Electrical Position Switch

The Lever operated valve to BS5410 is intended for the automatic and manual isolation of liquid fuel supplies to oil fired boilers and generator installations, in accordance with the safety and fire protection requirements of BS 5410 (Code of practice for liquid fuel firing)

Standards Compliance

- Designed to meet the functional intent of BS 5410
- Suitable for fire-actuated fuel shut-off systems using fusible links

Valve Type and Construction

- Valve type: Seated globe valve, providing positive shut-off
- Body material: Brass, suitable for diesel, kerosene, gas oil, and similar fuels
- Seat and spindle: Precision-machined brass components for reliable sealing
- Seals: Fuel-resistant materials compatible with operating media
- Pressure rating: Suitable for up to 6 Bar fuel systems.

Operating Mechanism

- Rotatable Lever-operated manually reset
- Normally open in service, closing upon actuation
- Lever designed to accept mechanical pull force from a remote cable actuation system without deformation

Fusible Link Actuation

- Automatic closure initiated via a fusible link, standard temperature supplied 72°C
- Fusible link releases under elevated temperature conditions, triggering valve closure in the event of fire.

Cable and Pulley System

- Actuated using stainless steel wire rope, corrosion resistant and suitable for fire safety applications
- 40mm Brass pulleys designed to minimise friction and ensure reliable actuation
- Cable routing arranged to avoid sharp bends and mechanical damage

Electrical Position Indication (optional)

- Fitted with an electrical valve position switch for remote status indication
- Switch and lever rotatable through 360°
- Switch type: SPDT (Single Pole Double Throw)
- Electrical rating: 3 A up to 250 V AC
- Environmental protection: IP67
- Approvals: UL / CSA / VDE / SEMKO approved
- Pre-wired with 250 mm flying lead
- Cable core identification:
 - Black – Common (COM)
 - Red – Normally Closed (NC)
 - White – Normally Open (NO)

Fail-Safe Operation

- On fusible link activation or cable release, the valve closes fully under spring force or assisted gravity action
- Valve remains closed until manually reset following inspection

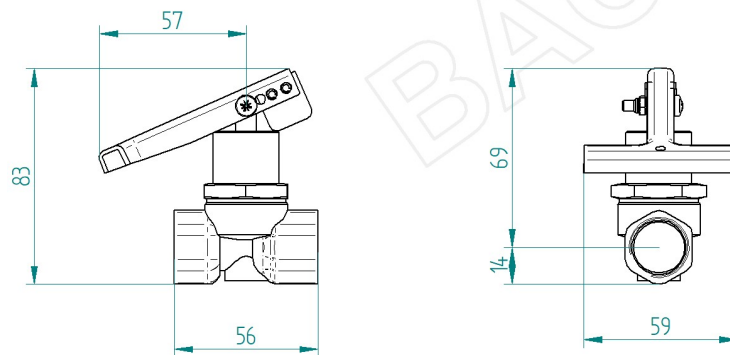
Installation Requirements

- Installed in an accessible location upstream of the appliance or generator fuel inlet
- Installation and cable routing to comply with BS 5410 guidance

Testing and Maintenance

- Mechanical and electrical operation to be verified at commissioning
- Fusible link, cable mechanism, and position switch to be inspected periodically
- Routine testing recommended as part of site fire safety and maintenance procedures

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Drawn in closed position, handle will move to horizontal when open

Part Number	Description
10903750	3/8" BSP Rp Lever Fire Valve Kit
10903751	1/2" BSP Rp Lever Fire Valve Kit
10903752	3/4" BSP Rp Lever Fire Valve Kit
10903750-PS	3/8" BSP Rp Lever Fire Valve Kit with Position Switch
10903751-PS	1/2" BSP Rp Lever Fire Valve Kit with Position Switch
10903752-PS	3/4" BSP Rp Lever Fire Valve Kit with Position Switch

KIT Content

10004501/5	Connector x 8	
99015500	Tension Spring x 1	
10902801	72°C Fusible Link x 1	
10012402	M6 Wall Anchor x 1	
10903610	Large Pulley c/w M6 Wall Anchor x 2	
10015708	Cable x 9 Metres	
10012102	Mind Head Notice	
Bolts & Nuts	Bolts & Nuts (Included as part of kit)	

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