

FOR BS 9251 : 2021

WRAS approved valve for priority demand valve application with controller for domestic and residential BS 9251: 2021 fire sprinkler systems.
The valve will operate failsafe on loss of power/ flow/ low level as per BS 9251: 2021 with failsafe detection for both input devices.

There are two versions of this valve;
With a tank and low level switch, c/w alarm relay
Mains water only.

To operate simply link to the fire sprinkler flow switch with 2 core FP cable to this box.

4 mounting holes for ease of fixing

Labels for flow switch connection

Label for correct valve orientation

IP65 gland for the flow switch connection

LED for system on

LED for tank full/ flow switch healthy

IP65 controller

1.5m of mains cable for fixing to the fused spur

Alarm relay for low level alarm to the FAP (tank version)

Mains water controller

Tank version with low level and alarm relay



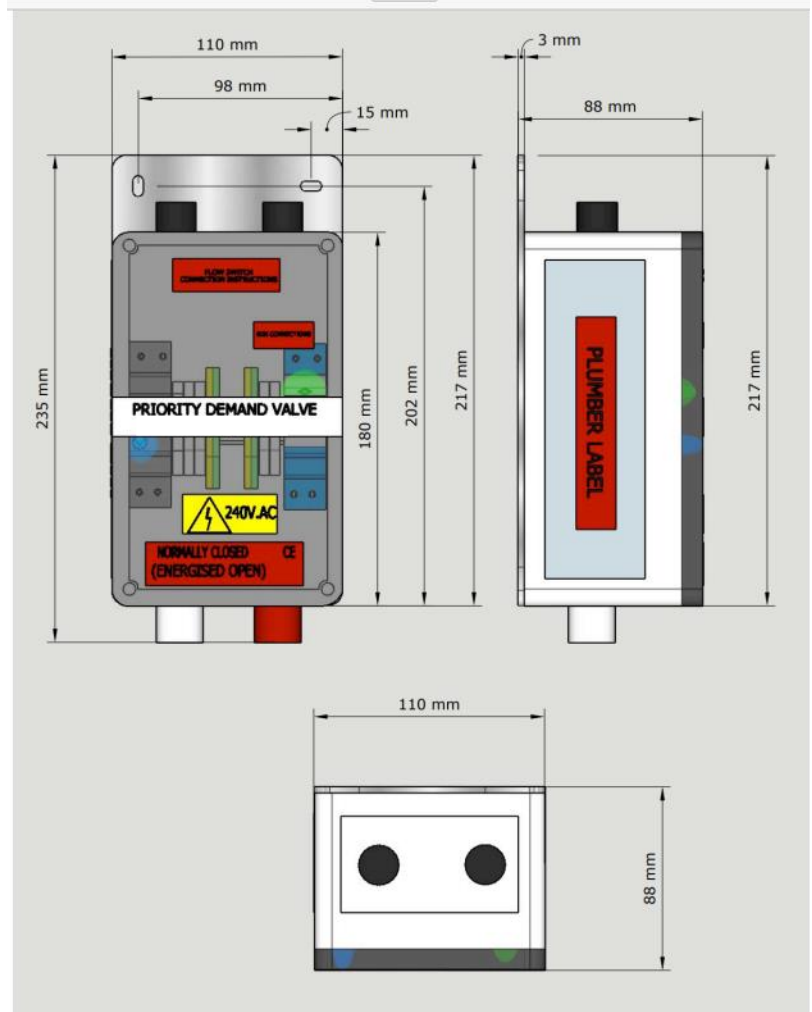
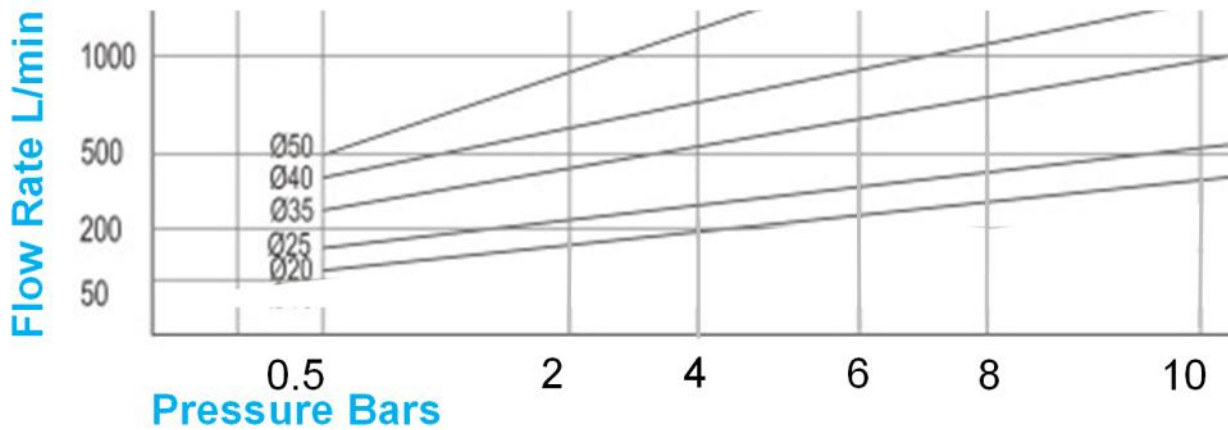
Normally Closed Valve (powered open when no sprinkler flow/ tank full); safe for the sprinkler system in a fire, if power fails it will close.

We recommended a small bore parallel bypass with lockable valve (normally closed) in order that if power should fail, a notional amount of water can be provided to the building for drinking/ toilet flushing.

Although not specifically stated in the regulations we recommend the operation is tested periodically.

| Technical Data: Priority Demand Valve 3/4" to 2" (please call for 2.5" or greater) | |
|--|---|
| Operating Conditions | Potable water IP55 |
| Electrical | Temperature 1°C to 40°C Orientation Horizontal, coil uppermost, Valve directional Use with a Potter time delay flow switch (prevents false/unwanted valve closure) 2nd contact can be used for fire alarm. Connect using 2.5mm FP200 2 core fire rated cable, max 10 metres |
| Supply 230VAC 50Hz 3 amp fused 24Vdc switch mode power 24Vdc upto 14 watts 1 metre solenoid cable prewired | |
| Pressure range: 0.3-10 bars | Connections 3/4" to 2" all BSPP female Bypass if fitted – 1/4" (recommended) |
| Face to Face valve dimensions 3/4" 75mm, 1" 96mm, 1 1/4" & 1 1/2" 113mm, 2" 165mm | |

Flow Rate



The controllers have a link installed in production so when they are powered on arrival.

Clear labelling follows our ethos of instructions for life.

The two controllers have status LEDs, where to connect and other useful information.

Fire alarm connection/ resistors can be installed into the relay to monitor a tank low level condition.

If you wish to use the valve on a zone as you believe a combined riser complies with BS 9251: 2021, please seek advice from your sprinkler contractor for connections to interface relays and mode of operation/ test methodology. We are an honest diligent manufacturer with an in-depth knowledge of the rules, we can't advise on shared risers as we believe they do not comply when you apply all the rules.