

WRAS approved priority demand valve with controller for domestic & residential BS9251 2014 fire sprinkler systems

To operate simply link to the fire sprinkler flow switch to this box

Mains fed sprinklers—to cut off the household supply in a main fed system (*important that stated duty at the original flow test is not compromised in real life by a washing machine etc— if it is, you have to fit one of these valves to comply with;*

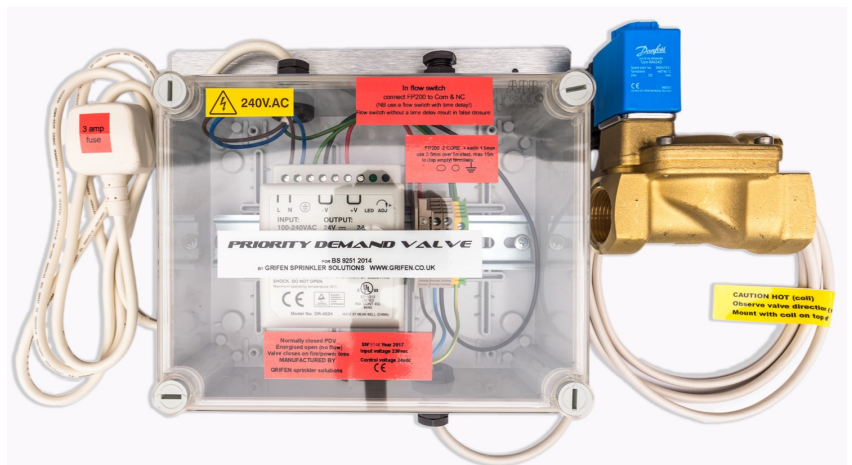
BS9251 2014 RULE 5.8.3.2 Design flow rate for mains water supply connections for category 1 sprinkler systems (individual homes) the flow rate determined by 5.3.3 **plus at least 25 L/min**

Dedicated sprinkler pump system—to enable the dedicated fire sprinkler tank infill at the maximum flow rate

Combined sprinkler/ main boosted supply (usually blocks of flats/ apartments) to cut off the building cold water supply in a fire

BS9251 2014 RULE for category 2 and 3 systems (see 4.3), the flow rate determined by 5.3.3 plus the design demand for the residency **plus at least 50 L/min.**

When required this can connect to the sprinkler system flow switch so that the domestic water supply is shut off in the event of a fire.



BS9251 2014 rules description

3.13 "valve for isolating the supply to the domestic supply in the event of fire sprinkler activation"

- **Simple installation—prewired** mains plug. The valve is fitted in the domestic supply, the control is the flow switch in the sprinkler pipe, you simply connect FP200 fire rated and it does the rest
- **Power good LED**
- **WRAS approved—solenoid valve**

Normally Closed Valve (powered open when no sprinkler flow); safe for the sprinkler system in a fire, if power fails it will isolate the mains cold water. 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 normal building water supply 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	Clean potable water IP55 (when plug in waterproof socket)
Electrical Supply 230VAC 50Hz 3 amps fused 24Vdc fused 2 amps, 24VDC coil 9 to 14 watts 2 metre solenoid cable prewired	Temperature 1°C to 40°C Use with a time delay sprinkler flow switch eg System Sensor or Potter (prevents false/unwanted valve closure) Connect using 2.5mm FP200 2 core fire rated cable, max 10 metres
Pressure range: 0.3-16 bars	
Connections 3/4" to 2" all BSPP female (Failsafe actuated butterfly valves from 2.5" to 4" please call)	