

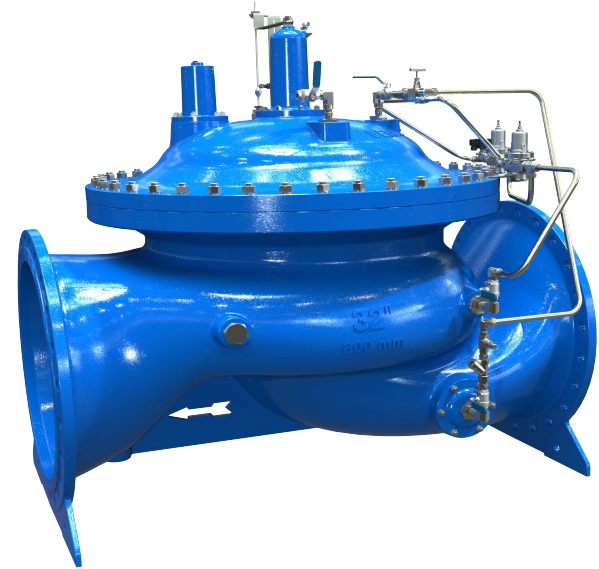
PRESSURE REDUCING VALVE

Model 720-45-M5/M5L/M6

Hydraulically operated, pressure reducing control valve that reduces higher upstream pressure to lower constant downstream pressure, regardless of fluctuating demand or varying upstream pressure.

This valve can be set to two different modulation values through an electric command allowing selection between the two set-points.

The BERMAD 700 Series large size control valves are hydraulically operated, diaphragm actuated type. Unique hydro-dynamic globe valve design with a special open plug provides high flow capabilities. The valves are available in the standard configuration or with an Independent Check Feature code "2S".



[Click here for control accessories](#)



Features and Benefits

- Hydrodynamic wide globe valve body provides:
 - Higher flow (Kv; Cv) than standard globe valves
 - Higher resistance to cavitation damage
- In-line serviceable
- Valves are suitable for working with all types of command: Hydraulic, Electric and Pneumatic.
- Self-operated valves that can work without an external source of power.
- Wide range of options and accessories:
 - One-way or two-way flow direction
 - V-Port
 - Cavitation cage
 - Visual position indicator
 - Limit switches
 - Analog opening output
 - Large selection of control accessories
 - Double chamber actuation (700-M6)
 - Large inspection and service ports (700-M5L)

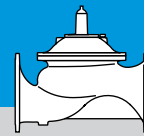
Major Additional Features

- Pressure management valve – 7PM-M5/M5L/M6
 - 3-Way control – 720-45-X-M5/M5L/M6
 - Anti-cavitation cage – 720-45-C2-M5/M5L/M6
 - Hydraulic check valve – 720-45-20-M5/M5L/M6
 - Solenoid control – 720-45-55-M5/M5L/M6
 - High sensitivity pilot – 720-45-12-M5/M5L/M6
 - Downstream over pressure guard – 720-45-48-M5/M5L/M6
- See relevant BERMAD publication

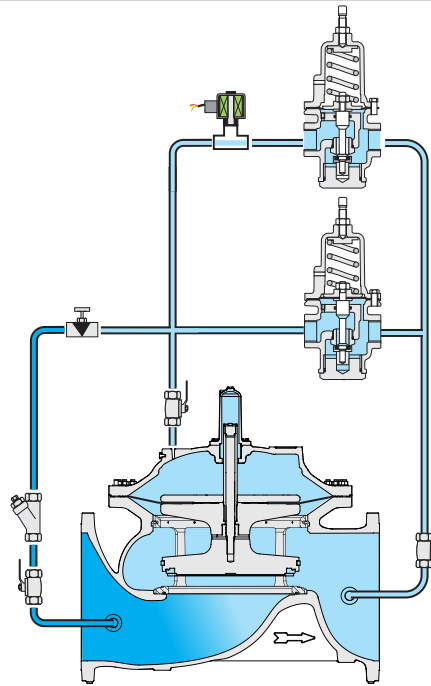
Typical Installation



All images in this catalog are for illustration only



- CLOSED
- L.P Regulating
- H.P Regulating



Main Valve

Valve Pattern: Globe
Size Range: DN 500-1200; 20"-48"
Pressure Rating: 40 bar; 600 psi
End Connections: Flanged
Temperature Rating: 60°C; 140°F for Cold water applications
Optional higher temperature: Available on request
Coating: Dark blue Fusion bonded epoxy

Control System

Standard Materials:
Accessories: Stainless Steel, Bronze & Brass
Tubing: Stainless Steel or Copper
Fittings: Stainless Steel or Brass

Pilot Standard Materials:
Body: Stainless Steel, Bronze or Brass
Elastomers: Synthetic Rubber
Spring: Stainless Steel
Internals: Stainless Steel

Pilot Options:
 Various pilots and calibration springs are available. Select according to valve size and operating conditions. For more details check pressure reducing pilots product page.

Notes:

- Inlet pressure, outlet pressure and flow rate are required for optimal sizing and cavitation analysis.
- Recommended continuous flow velocity: 0.1-6.0 m/sec; 0.3-20 ft/sec.
- Minimum operating pressure: 0.7 bar; 10 psi. For lower pressure requirements consult factory.

