

SOLENOID CONTROLLED VALVE

Model 730-M5/M5L/M6

Pressure relief/sustaining hydraulically operated control valve that can fulfill either of two separate functions:

When installed in-line, it sustains minimum pre-set, upstream (back) pressure, regardless of fluctuating flow or varying downstream pressure.

When installed as a circulation valve, it relieves excessive line pressure when above maximum pre-set.

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)

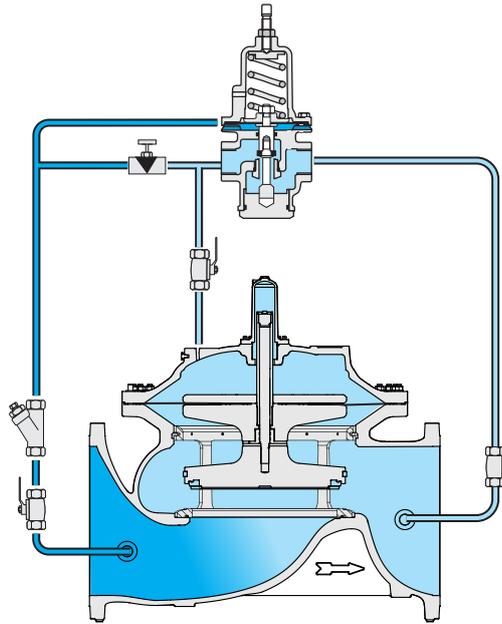
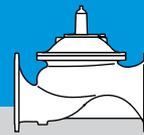
Major Additional Features

- Pressure sustaining and reducing valve – 723-M5/M5L/M6
 - Differential pressure sustaining – 736-M5/M5L/M6
 - Quick pressure relief valve – 73Q-M5/M5L/M6
 - Solenoid control – 730-55-M5/M5L/M6
 - Hydraulic check feature – 730-20-M5/M5L/M6
 - Independent check feature – 730-25-M5/M5L/M6
 - Anti-cavitation cage – 730-C1-M5/M5L/M6
 - High sensitivity pilot – 730-12-M5/M5L/M6
 - Electrically selected multi-level setting – 730-45-M5/M5L/M6
 - Level control and pressure sustaining valve – 753-M5/M5L/M6
 - Pump control and pressure sustaining valve – 743-M5/M5L/M6
 - 3-Way control – 730-X-M5/M5L/M6
- See relevant BERMAD publication

Typical Installation



All images in this catalog are for illustration only



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 sustaining 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.

