

SOLENOID CONTROLLED VALVE

Model 710-M5/M5L/M6

Hydraulically operated, solenoid controlled valve that either opens fully or shuts off in response to an electric signal. It is available in several models including Normally Open (NO), Normally Closed (NC) or LATCH.

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)

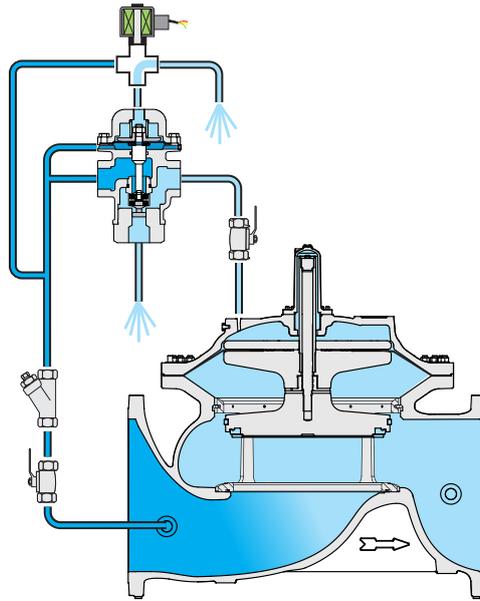
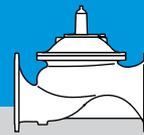
Major Additional Features

- Full powered opening & closing – 710-B-M6
 - Opening & Closing speed control – 710-03 M5/M5L/M6
 - Closing signal (limit switch) – 710-S M5/M5L/M6
 - Relief override – 710-3Q M5/M5L/M6
 - Flow over the seat (fail-safe close) – 710-0 M5/M5L/M6
 - Closing surge prevention – 710-49 M5/M5L/M6
 - Independent Check Feature - 710-2S -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

Solenoid Standard Materials:
Body: Brass or Stainless Steel
Elastomers: NBR or FPM
Enclosure: Molded Epoxy

Solenoid Electrical Data:
Voltages:
(AC): 24, 110-120, 220-240, (50-60Hz)
(DC): 12, 24, 110, 220
Power Consumption:
(AC): 30VA, inrush; 15VA (8W), holding or 70VA, inrush; 40VA (17.1W), holding
(DC): 8-11.6W
 Values might vary according to specific solenoid model.
 For more details check solenoid product page.

Notes:

- Inlet Pressure, Outlet Pressure and Flow-rate are required for optimal sizing.
- Recommended maximum flow velocity: 6.0 m/sec; 20 ft/sec.
- Minimum operating pressure: 0.7 bar; 10 psi. For lower pressure requirements consult factory.

