

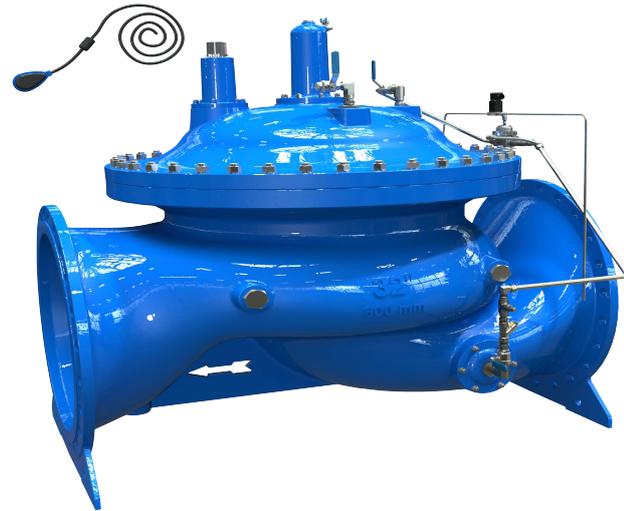
# LEVEL CONTROL VALVE

with Bi-Level Electric Float

**Model 750-65-M5/M5L/M6**

Hydraulically operated control valve that controls reservoir filling and reservoir level. Reservoir filling is in response to a Bi-level electric float switch signal opening at a pre-set low level and shutting off at a pre-set high level.

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)

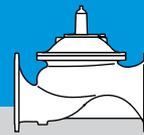
## Major Additional Features

- Full powered opening & closing – 750-65-B-M6
  - Pressure sustaining – 753-65-M5/M5L/M6
  - Flow control – 757-65-U-M5/M5L/M6
  - Closing surge prevention – 750-65-49-M5/M5L/M6
  - Relief override – 750-65-3Q-M5/M5L/M6
  - Hydraulic float backup – 750-65-66-M5/M5L/M6
  - Altitude pilot backup – 750-65-80-M5/M5L/M6
  - Independent Check Feature -750-65-2S-M5/M5L/M6
- See relevant BERMAD publication

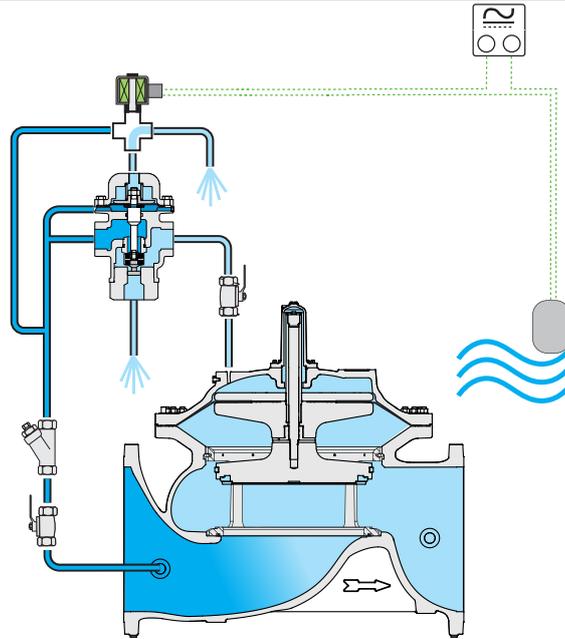
## Typical Installation



All images in this catalog are for illustration only



Model 750-65-M5/M5L/M6



### 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

#### Float Switch:

**Max. Current:** 16A @ 250V

**Fluid Specific Weight:** 0.95-1.1

**Working Temperature:** Water up to 65°C; 140°F

**Dimensions:** Length – 124 mm; 4.9" Width – 90 mm; 3.5" Cable length – 4.9 m; 16 ft

### 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/10psi. For lower pressure requirements consult factory.
- See BERMAD float installation recommendation

