

LEVEL CONTROL VALVE

with Modulating Vertical Float

Model 750-67-M5/M5L/M6

Hydraulically operated control valve that controls reservoir filling and reservoir level.

Reservoir filling is in response to a hydraulically controlled modulating vertical float that maintains a constant water level, regardless of fluctuating demand (can be used on reservoir intake or outtake according to application).

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)

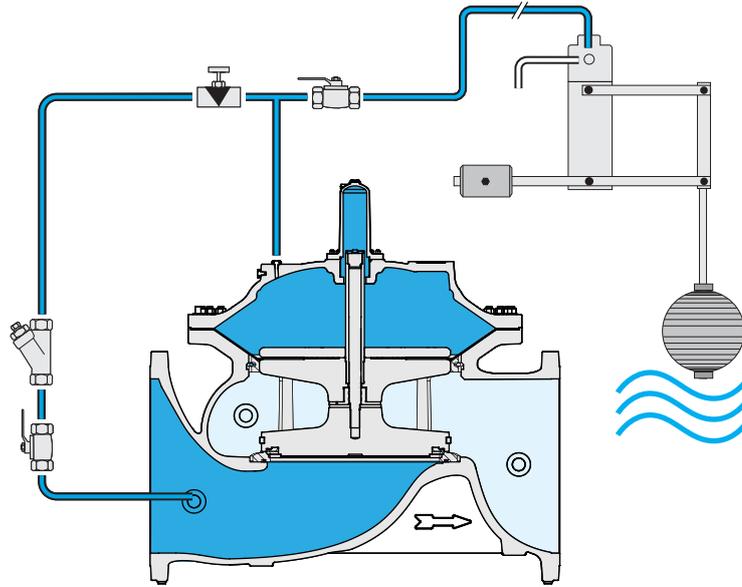
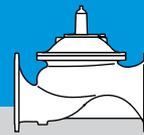
Major Additional Features:

- Pressure sustaining – 753-67-M5/M5L/M6
 - Flow control – 757-67-U-M5/M5L/M6
 - Electric float backup – 750-67-65-M5/M5L/M6
 - Independent Check Feature – 750-67-2S-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: Cold water (standard) up to 50°C; 122°F
For above - 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

Float Pilot Standard Materials:
Body: Brass or Stainless Steel 316
Elastomers: Synthetic Rubber
Internal Parts: Stainless Steel 316 & Brass
Lever System: Brass or Stainless Steel 316
Float: Plastic
Float Rod: Stainless Steel
Base Plate: Fusion Bonded Epoxy Coated Steel or Stainless Steel 316

Notes

- Each extension rod adds 560 mm; 22". One extension rod is supplied.
- Extra counterweight is required if second extension rod is used.
- If inlet pressure is below 0.5 bar /7psi or above 10 bar /150 psi, consult factory.
- See BERMAD float installation recommendation
- 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.

