

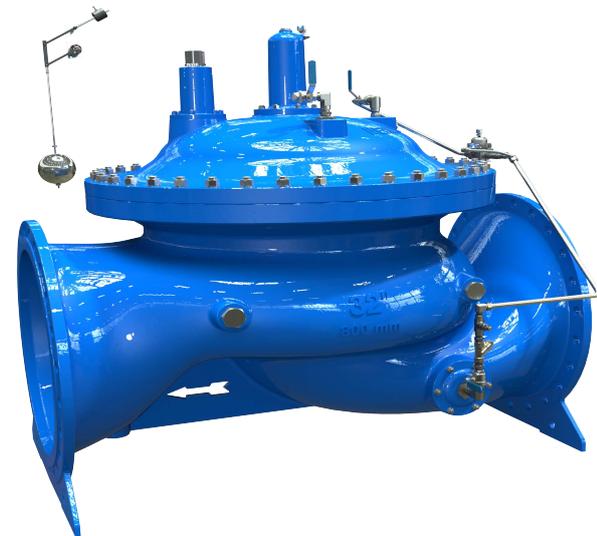
LEVEL CONTROL VALVE

with Bi-Level Vertical Float

Model 750-66-M5/M5L/M6

Hydraulically operated control valve that controls reservoir filling and reservoir level. Reservoir filling is in response to a hydraulically controlled non-modulating bi-level vertical float that opens at a pre-set reservoir low level and shuts off drip-tight 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

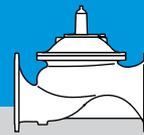
- Pressure sustaining – 753-67-M5/M5L/M6
- Flow control – 757-67-U-M5/M5L/M6
- Electric float backup – 750-67-65-M5/M5L/M6
- Independent Check Feature – 750-66-2S-M5/M5L/M6

See relevant BERMAD publication

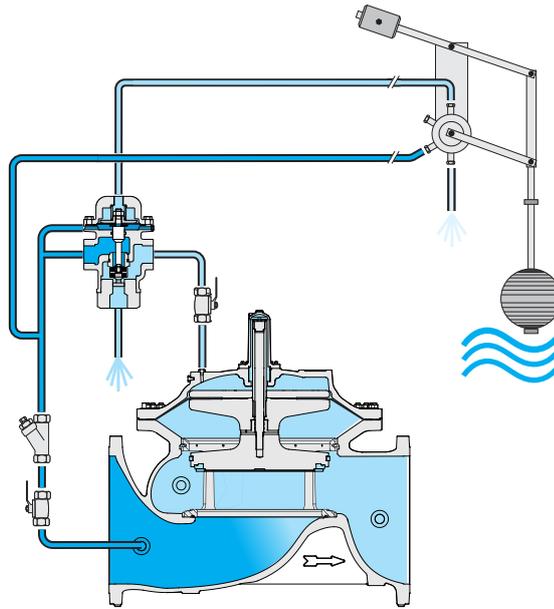
Typical Installation



All images in this catalog are for illustration only



Model 750-66-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

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

- Minimum level differential: 150 mm; 6".
- Maximum level differential: 560 mm; 21".
- 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 0.5bar /7psi or above 10 bar /150 psi, consult factory.
- Inlet Pressure, Outlet Pressure and Flow-rate are required for optimal sizing.
- Recommended maximum flow velocity: 6.0 m/sec; 20 ft/sec.
- See BERMAD float installation recommendation

