

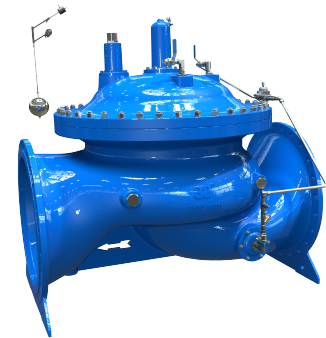
LEVEL CONTROL VALVE

with Bi-Level Vertical Float and Indicator

Model 750-66-M5-M5M-M5L

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 control valves are hydraulically operated and diaphragm actuated. Their unique hydro-dynamic globe design with an open plug ensures high flow capabilities.



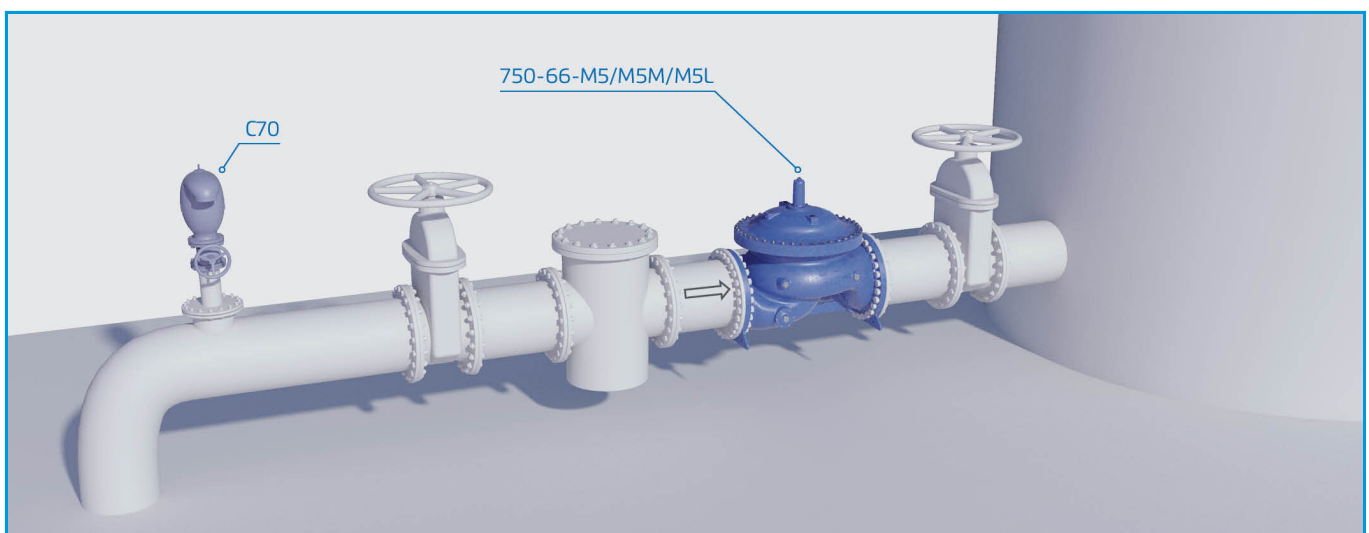
Features & Benefits

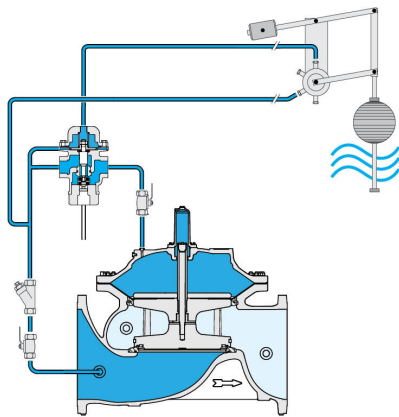
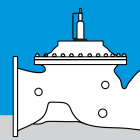
- Hydrodynamic wide globe valve body provides:
 - Higher flow coefficient (Kv; Cv) than standard globe valves
 - Higher resistance to cavitation damage
- In-line serviceable
- Valves are suitable for working with all types of command: Hydraulic, Electric and Pneumatic.
- Self-operated valves that can work without an external source of power
- Wide range of options and accessories:
 - Visual position indicator
 - Limit switches
 - Analog opening output
 - Large selection of control accessories
 - Large inspection and service ports (700-M5L)

Typical Applications

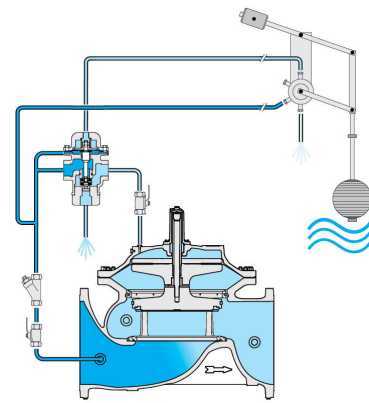
- Level control for water reservoirs
- Bi-Level control for water refreshment and silent operation

Typical Installation





Closed



Open

Main Valve

Size Range: 20"-36"; DN500-900

Pattern: Globe

Pressure Rating: 25 bar

End Connection: Flanged

Temperature Rating: 80°C

For 60–80°C consult factory

Standard Materials:

Body & Cover: Ductile Iron

Cover Bolts: Stainless Steel

Internals: Epoxy coated Ductile Iron, Stainless Steel & Tin Bronze

Diaphragm: Fabric-reinforced synthetic rubber

Seals: Synthetic rubber

Coating: Dark blue Fusion bonded epoxy

For other materials contact BERMAD

Control System

Standard Materials:

Accessories: Stainless Steel, Bronze & Brass

Tubing: Stainless Steel or Copper

Fittings: Stainless Steel or Brass

Float standard materials:

Pilot Body: Brass

Elastomers: NBR

Internal Parts: Stainless Steel 316 & Brass

Lever System: Brass

Float: Plastic

Float Rod: Stainless Steel 316

Base Plate: Stainless Steel 316

Float optional materials:

Metal Parts: Stainless Steel 316

Elastomers: EPDM

Notes

- Minimum level differential: 150mm; 6'34";.
- Maximum level differential: 540mm; 21'34";.
- 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.
- 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.

For detailed Engineering & Specification data, IOM and CAD Drawings, visit the Model Page on the [BERMAD](https://www.bermad.com) website.



www.bermad.com

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October 2025