BERMAD Buildings & Construction

Potable Water • Level Control



LEVEL CONTROL VALVE

with Modulating Horizontal Float

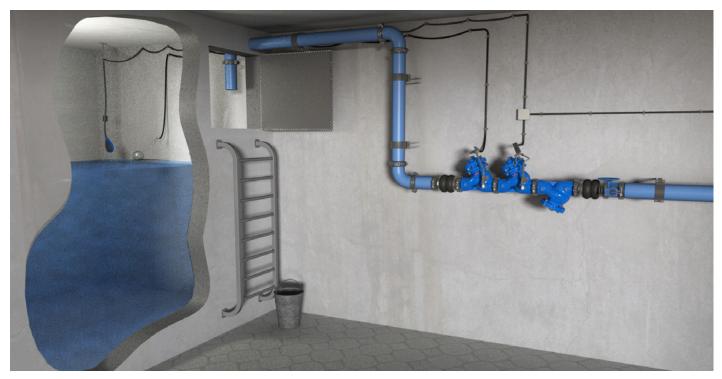
Model BC-750-60-P

Hydraulically operated, float controlled valve that controls reservoir filling and reservoir level.

Reservoir filling is accomplished in response to hydraulically controlled modulating horizontal float that maintains a constant water level, regardless of fluctuating demand.

BERMAD 700 series valves are hydraulic, oblique pattern, globe valves with double chamber unitized actuator, that can be disassembled from the body as a separate integral unit. The valves hydrodynamic body is designed for unobstructed flow path and provides excellent and highly effective modulation capacity for high differential pressure applications.





Water Reservoir Level Control System, featuring the BC-750-60-P that maintains constant water level in the reservoir. As backup another level control valve is stationed upstream and calibrated to a slightly

higher water level. The backup valve can be specified to operated hydraulically (BC-750-66-P) or electrically (BC-750-65-P).

Typical Application

- Level Control in water reservoirs of buildings, including basements and roof-top reservoirs, pressure breaking tanks, emergency water storage, and so others.
- Priority and backup management of reservoirs
- Constant level control systems where maintaining full tank level is required
- Level control of undersized tanks in potable water systems in buildings

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Features and Benefits

- High Quality Construction Materials Reliable, resilient and long lasting operation
- Robust Design Suitable for constant, intense operation
- In-Line Serviceable Quick and easy maintenance and service
- Line Pressure Driven Independent operation, no external power needed
- Unitized Actuator Assembly Minimal downtime
- Accurate and reliable level control; prevents reservoir overflow and cut-offs
- Ensures uninterrupted supply for building occupants dependent on reservoir system for their water needs

- Easy to horizontally mount and calibrate lightweight float; simple installation and maintenance, long lasting smooth and reliable operation
- 2-way control loop maintains accurate and stable reservoir level; specially suitable for large surface / low depth tanks
- Straightforward control loop structure with minimal use of accessories and tubing - prevents breakdowns, overflows and vandalism

Technical Data

General:

End connections:

Grooved / Flanged / Threaded **Pressure Rating:** 400 psi; PN25 **Valve Pattern:** Y (Oblique) / Angle **Working Temperature:**

Cold Water up to 140°F; 60°C **Optional Higher Temperatures:**

Avaliable on request

Main Valve Materials:

Body, Cover and Partition:

Standard: Ductile Iron Optional: Stainless Steel 316

Seat: Stainless Steel

Internals:

Stainless Steel, Tin Bronze & Coated Steel

Diaphragm:

Fabric-reinforced synthetic rubber

Seals: Synthetic rubber

Coating: Blue Fusion bonded epoxy

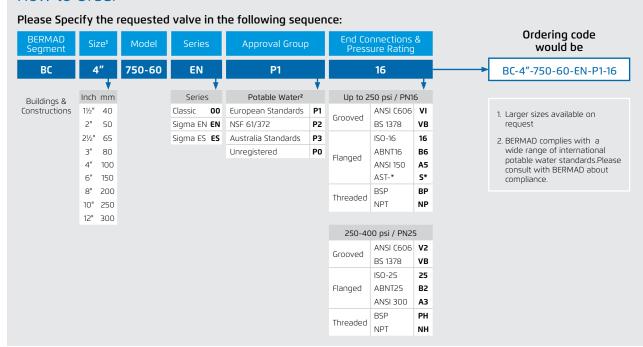
Control Trim Materials:

Control Accessories:

Stainless Steel / Bronze & Brass **Tubing:** Stainless Steel / Copper **Fittings:** Stainless Steel / Brass

- For other optional material consult BERMAD.
- ** Materials may vary according to sanitary standard.

How to Order















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