BERMAD Buildings & Construction

Potable Water • Level Control

LEVEL CONTROL VALVE with Altitude Pilot

Model 750-80

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

The valve shuts off at a pre-set reservoir high level and fully opens in response to an approximately one meter (three feet) level drop, as sensed by the 3-Way altitude pilot mounted on the main valve.

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.



700 Series

Model 750-80



BERMAD 750-80 maintains high and low water levels with high accuracy pilot valve that senses reservoir water level head from a

sensing point at the bottom of the reservoir and controls the main filling valve accordingly.

Typical Application

- Level control in water reservoirs of buildings, including basement and roof-top reservoirs, pressure breaking tanks, emergency water storage, and so on
- Priority and backup management of reservoirs
- In reservoirs located few floors above the control valve where hydraulic float cannot be used
- Where engineering considerations force the installation of narrow and tall reservoirs that therefore cannot be controlled by hydraulic float

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700 Series Model 750-80

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
- Ensures uninterrupted supply for building occupants dependent on reservoir system for their water needs

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:** Available 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, POM Diaphragm: Fabric-reinforced synthetic rubber Seals: Synthetic rubber Coating: Blue Fusion bonded epoxy

reservoirs

the reservoir

calibration and maintenance

Control Trim Materials:

Heavy duty design - suitable for intensively operating water

 Unique level sensing device; the valve performance does not affected by the difference in altitude between the valve and

Level sensing with no moving parts, no float needed - no

waves' effect and corrosion, enabling easy inspection,

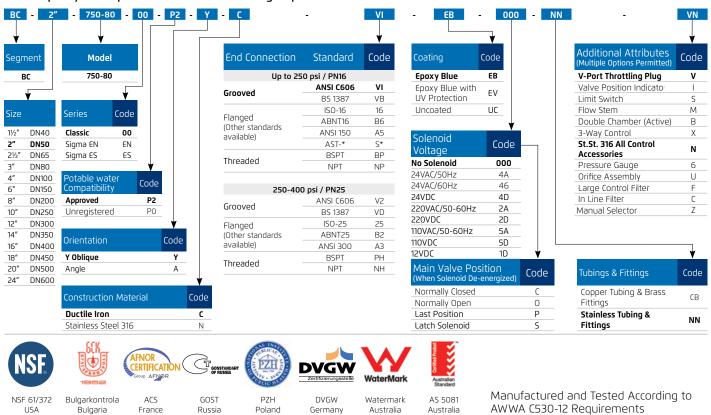
Control Accessories: Stainless Steel / Bronze & Brass Tubing: Stainless Steel / Copper Fittings: Stainless Steel / Brass

Standard water level above pilot is 2-14m; 7-46 ft, for other options consult Bermad

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

How To Order

Please Specify the requested valve in the following sequence:



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