



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 valve's hydrodynamic body is designed for unobstructed flow path and provides excellent and highly effective modulation capacity for high differential pressure applications.



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



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
- Heavy duty design - suitable for intensively operating water reservoirs
- Unique level sensing device; the valve performance does not affected by the difference in altitude between the valve and the reservoir
- Level sensing with no moving parts, no float needed - no waves' effect and corrosion, enabling easy inspection, calibration and maintenance

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

Control Trim Materials:

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:

BC - 2" - 750-80 - 00 - P2 - Y - C - VI - EB - 000 - NN - VN

Segment	Model	End Connection	Standard	Code	Coating	Code	Additional Attributes (Multiple Options Permitted)	Code
BC	750-80	Up to 250 psi / PN16	ANSI C606	VI	Epoxy Blue	EB	V-Port Throttling Plug	V
Size	Series	Grooved	BS 1387	VB	Epoxy Blue with UV Protection	EV	Valve Position Indicator	I
1½" DN40	Classic	Flanged (Other standards available)	ISO-16	16	Uncoated	UC	Limit Switch	S
2" DN50	Sigma EN	Threaded	ABNT16	B6	Solenoid Voltage		Flow Stem	M
2½" DN65	Sigma ES		ANSI 150	A5	No Solenoid	000	Double Chamber (Active)	B
3" DN80			AST-*	S*	24VAC/50Hz	4A	3-Way Control	X
4" DN100	Potable water Compatibility		BSPT	BP	24VAC/60Hz	46	St.St. 316 All Control Accessories	N
6" DN150	Approved		NPT	NP	24VDC	4D	Pressure Gauge	6
8" DN200	Unregistered				220VAC/50-60Hz	2A	Orifice Assembly	U
10" DN250					220VDC	2D	Large Control Filter	F
12" DN300	Orientation				110VAC/50-60Hz	5A	In Line Filter	C
14" DN350	Y Oblique				110VDC	5D	Manual Selector	Z
16" DN400	Angle				12VDC	1D		
18" DN450					Main Valve Position (When Solenoid De-energized)		Tubings & Fittings	
20" DN500					Normally Closed	C	Copper Tubing & Brass Fittings	CB
24" DN600	Construction Material				Normally Open	O	Stainless Tubing & Fittings	NN
	Ductile Iron				Last Position	P		
	Stainless Steel 316				Latch Solenoid	S		



NSF 61/372 USA



Bulgarkontrola Bulgaria



ACS France



GOST Russia



PZH Poland



DVGW Germany



Watermark Australia



AS 5081 Australia

Manufactured and Tested According to AWWA C530-12 Requirements

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