



## LEVEL CONTROL VALVE

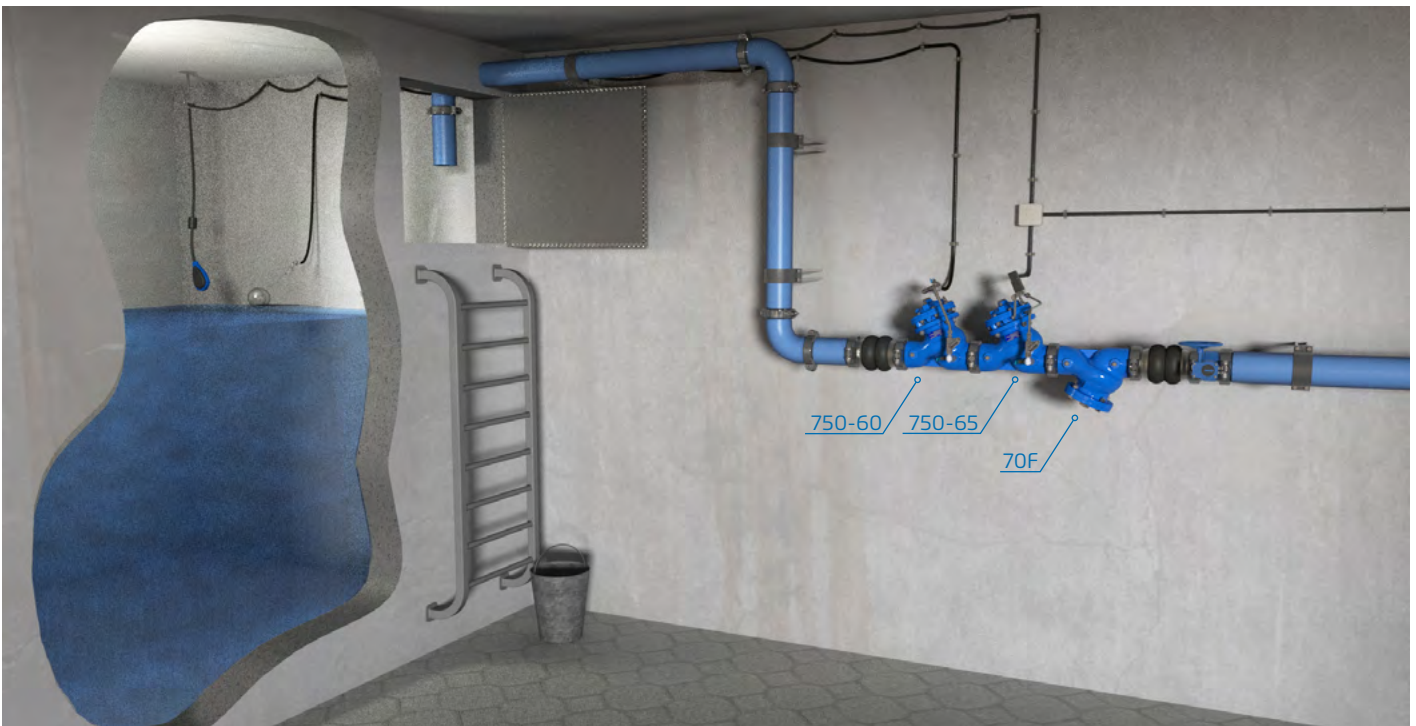
### with Modulating Horizontal Float

#### Model 750-60

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 750-60 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 (750-66) or electrically (750-65).

### 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



## 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:**

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

\* 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" - 750-60 - 00 - P2 - Y - C - VI - EB - 000 - NN - VN

Segment	Model	End Connection	Standard	Code	Coating	Code	Additional Attributes (Multiple Options Permitted)	Code
BC	750-60	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			Flow Stem	M
2½" DN65	Sigma ES		ANSI 150	A5			Double Chamber (Active)	B
3" DN80			AST-*	S*			3-Way Control	X
4" DN100	Potable water Compatibility		BSPT	BP	Solenoid Voltage		St.St. 316 All Control Accessories	N
6" DN150	Code		NPT	NP	No Solenoid	000	Pressure Gauge	6
8" DN200	Approved	250-400 psi / PN25			24VAC/50Hz	4A	Orifice Assembly	U
10" DN250	Unregistered	Grooved	ANSI C606	V2	24VAC/60Hz	46	Large Control Filter	F
12" DN300		Flanged (Other standards available)	BS 1387	VD	24VDC	4D	In Line Filter	C
14" DN350	Orientation	Threaded	ISO-25	25	220VAC/50-60Hz	2A	Manual Selector	Z
16" DN400	Code		ABNT25	B2	220VDC	2D		
18" DN450	Y Oblique		ANSI 300	A3	110VAC/50-60Hz	5A		
20" DN500	Angle		BSPT	PH	110VDC	5D		
24" DN600			NPT	NH	12VDC	1D		
	Construction Material				Main Valve Position (When Solenoid De-energized)		Tubings & Fittings	
	Ductile Iron				Normally Closed	C	Copper Tubing & Brass Fittings	CB
	Stainless Steel 316				Normally Open	O	Stainless Tubing & Fittings	NN
					Last Position	P		
					Latch Solenoid	S		



NSF 61/372 USA



Bulgarkontrola Bulgaria



ACS France



GOST Russia



PZH Poland



AS 5081 Australia



Watermark Australia

Manufactured and Tested According to AWWA C530-12 Requirements

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