



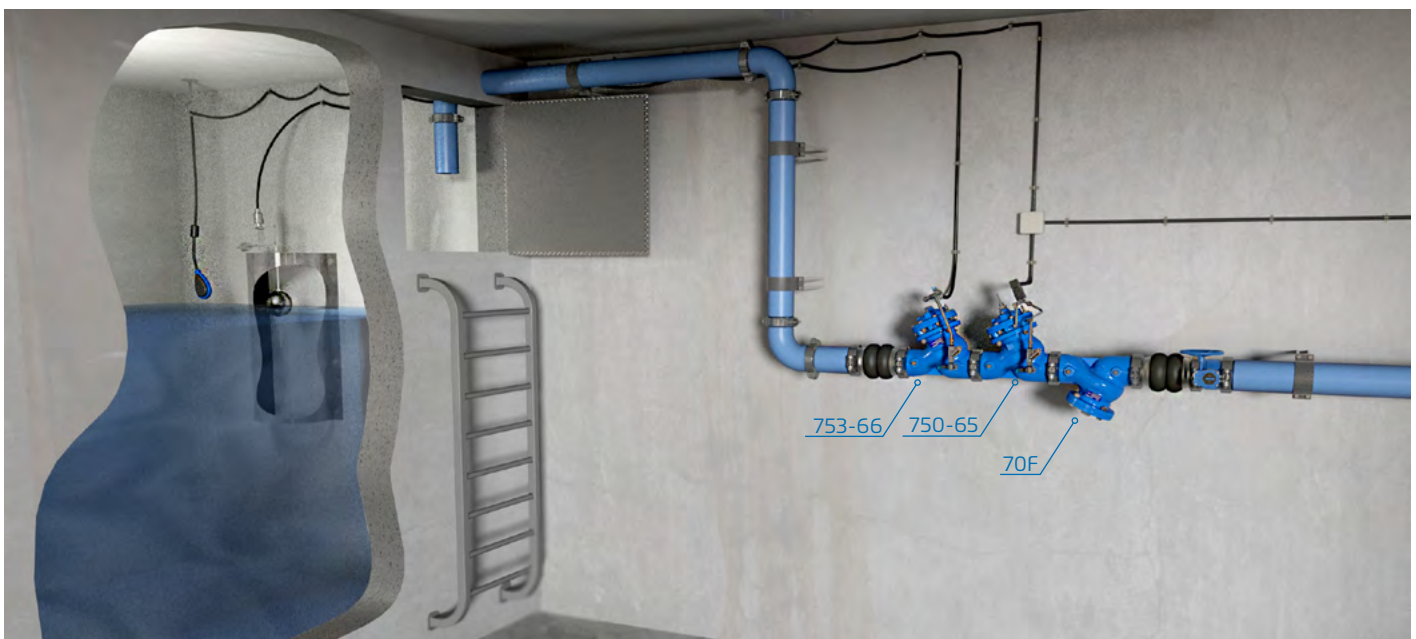
## LEVEL CONTROL AND PRESSURE SUSTAINING VALVE

with Bi-Level Vertical Float

### Model 753-66

Hydraulically operated level control and pressure sustaining control valve that controls reservoir filling and reservoir level; during filling the valve sustains minimum upstream pressure, regardless of fluctuating flow or reservoir level. Reservoir filling is in response to a hydraulically controlled Bi-level vertical float that opens at a pre-set reservoir low level and shuts off at a pre-set high level, regardless of valve differential pressure.

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 753-66 that control high and low water level in the reservoir in addition to sustaining up stream pressure to prioritize other consumers over reservoir filling. 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 (another 750-66) or electrically (750-65).

### Typical Application

- Level control of water reservoirs in buildings; basement and roof-top reservoirs, pressure breaking tanks, emergency water storage operating under tough conditions and intensive use.
- Priority and backup management of reservoirs
- Out of tank installation; level control in limited access or remote sites
- Prioritizing upstream consumers or fire protection appliances over reservoir supply



## 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
- Accurate and reliable level control and pressure sustaining capabilities - preventing reservoir overflows and cut-offs while maintaining minimum upstream pressure
- 4-way float control provides powered opening in extremely low pressure conditions allowing smooth and quiet water flow

## 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"	-	753-66	-	00	-	P2	-	Y	-	C	-	VI	-	EB	-	000	-	NN	-	VN
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Segment	Model	End Connection	Standard	Code	Coating	Code	Additional Attributes (Multiple Options Permitted)	Code
BC	753-66	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)			
20" DN500					Normally Closed	C	Tubings & Fittings	
24" DN600	Construction Material				Normally Open	O	Copper Tubing & Brass Fittings	CB
	Ductile Iron				Last Position	P	Stainless Tubing & Fittings	NN
	Stainless Steel 316				Latch Solenoid	S		



NSF 61/372  
USA



Bulgarkontrola  
Bulgaria



ACS  
France



GOST  
Russia



PZH  
Poland

Manufactured and Tested According to  
AWWA C530-12 Requirements