



## LEVEL CONTROL AND PRESSURE SUSTAINING VALVE

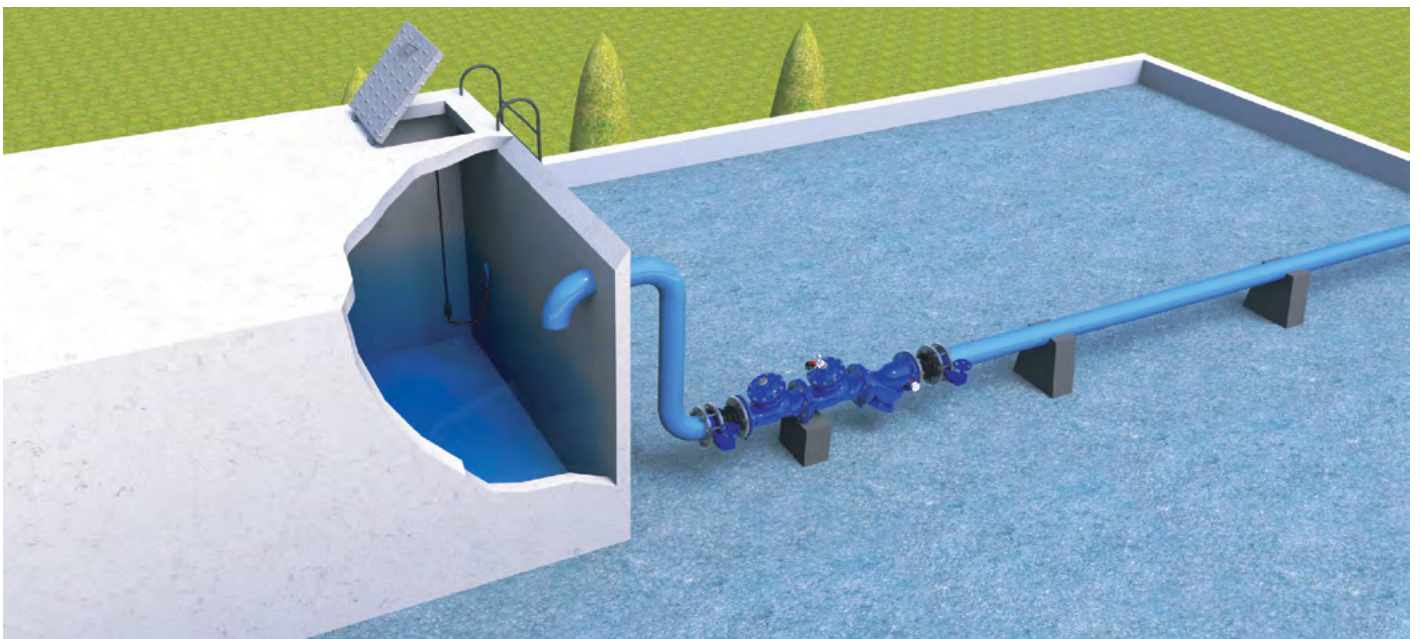
with Bi-Level Electric Float

### Model 753-65

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.

The reservoir filling is done in response to a Bi-level electric float switch signal opening at a pre-set low level and shutting off at a preset high level.

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 753-65 as an electric controlled backup valve to an hydraulically controlled level control valve. In case of main level control valve malfunction the Electric Float will sense the rise in water level and signal the 753-65

to shut off, until water level decrease to a pre-set level. The 753-65 will also maintain pre-set upstream pressure, preventing pressure drop at reservoir filling.

### Typical Application

- Level and pressure sustaining control of buildings reservoir filling systems such as: basement, roof-top, pressure breaking and emergency tanks, where the supply line also feeds additional high priority users
- Electrical emergency override on hydraulic level control systems
- Duty cycle and valve prioritizing management on multi branch systems
- Level dependent control on water supply lines; maintaining emergency minimal reservoir level
- Optional complete closing of the valve by external hydraulic/ electric control source, regardless of the supply line pressure



## 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 and pressure sustaining capabilities - preventing reservoir overflows and cut-offs while maintaining minimum upstream pressure
- Ensures uninterrupted supply for building occupants dependent on reservoir system for their water needs
- Electrical operation; Low voltage and low current N.O. and N.C. solenoids

## 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

#### Solenoid:

**Body:** Stainless Steel / Brass

**Elastomers:** Synthetic Rubber

**Enclosure:** Molded Epoxy

\* 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" - 753-65 - 00 - P2 - Y - C** - **VI** - **EB** - **4AC** - **NN** - **N**

Segment	Model	End Connection	Standard	Code	Coating	Code	Additional Attributes (Multiple Options Permitted)	Code
BC	753-65	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" <b>DN50</b>	Sigma EN	Threaded	ANSI 150	A5			Flow Stem	M
2½" DN65	Sigma ES		AST-*	S*			Double Chamber (Active)	B
3" DN80			BSPT	BP	Solenoid Voltage	Code	3-Way Control	X
4" DN100	Potable water Compatibility		NPT	NP	No Solenoid	000	<b>St.St. 316 All Control Accessories</b>	<b>N</b>
6" DN150	Approved	250-400 psi / PN25			24VAC/50Hz	4A	Pressure Gauge	6
8" DN200	Unregistered	Grooved	ANSI C606	V2	24VAC/60Hz	46	Orifice Assembly	U
10" DN250		Flanged (Other standards available)	BS 1387	VD	24VDC	4D	Large Control Filter	F
12" DN300	Orientation	Threaded	ISO-25	25	220VAC/50-60Hz	2A	In Line Filter	C
14" DN350	Y Oblique		ANSI 300	A3	220VDC	2D	Manual Selector	Z
16" DN400	Angle		BSPT	PH	110VAC/50-60Hz	5A		
18" DN450			NPT	NH	110VDC	5D		
20" DN500	Construction Material				12VDC	1D		
24" DN600	Ductile Iron				Main Valve Position (When Solenoid De-energized)	Code	Tubings & Fittings	Code
	Stainless Steel 316				Normally Closed	C	Copper Tubing & Brass Fittings	CB
					Normally Open	O	<b>Stainless Tubing &amp; Fittings</b>	<b>NN</b>
					Last Position	P		
					Latch Solenoid	S		



NSF 61/372 USA



Bulgarkontrola Bulgaria



ACS France



GOST Russia



PZH Poland

Manufactured and Tested According to AWWA C530-12 Requirements