



LEVEL CONTROL AND PRESSURE SUSTAINING VALVE

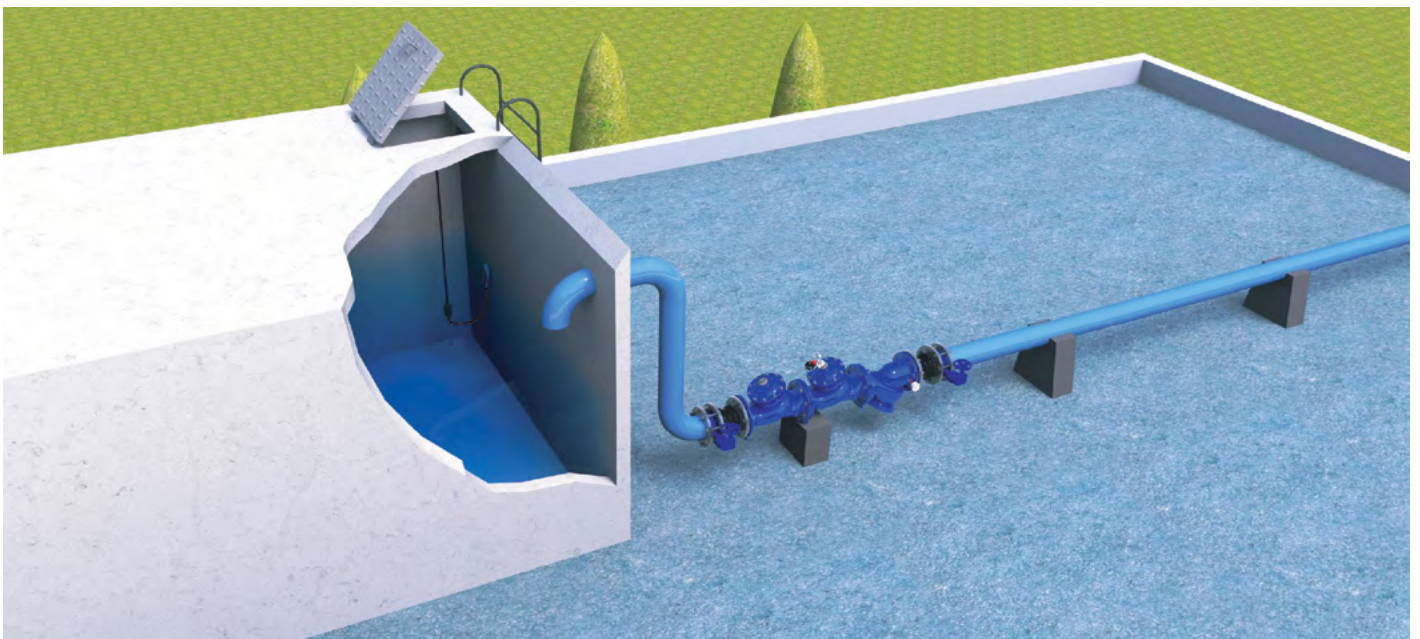
with Bi-Level Electric Float

Model BC-753-65-P

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 BC-753-65-P 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 BC-753-65-P to

shut off, until water level decrease to a pre-set level. the BC-753-65-P 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 dependant 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

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: NBR or FPM

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:

BERMAD Segment	Size ¹	Model	Series	Approval Group	End Connections & Pressure Rating	Solenoid	Ordering code would be							
BC	4"	753-65	EN	P1	16	4AC	BC-4"-753-65-EN-P1-16-4AC							
Buildings & Constructions	Inch mm		Series	Potable Water ²	Up to 250 psi / PN16		Solenoid Configuration							
	1½" 40	Classic	00	European Standards	P1	Grooved		ANSI C606 ISO-6182-12	VI	24V ⁴	Normally Closed ³	AC 50Hz	4AC	
	2" 50	Sigma EN	EN	NSF 61/372	P2	Flanged		ISO-16	16			AC 60Hz	46C	
	2½" 65	Sigma ES	ES	Australia Standards	P3			ABNT16	B6			DC	4DC	
	3" 80	Unregistered	PO			ANSI 150		A5	Normally Open ³			AC 50Hz	4AO	
	4" 100					AST-*		S*				AC 60Hz	460	
	6" 150					BSP		BP	DC			400		
	8" 200					Threaded		NPT	NP					
	10" 250					250-400 psi / PN25								
	12" 300					Grooved		ANSI C606 ISO-6182-12	V2					
						Flanged		ISO-25	25					
								ABNT25	B2					
					Threaded	ANSI 300	A3							
						BSP	PH							
						NPT	NH							

1. Larger sizes available on request
2. BERMAD complies with a wide range of international potable water standards. Please consult with BERMAD about compliance.
3. Valve Position when Solenoid is De-Energized
4. Other voltage available.



NSF 61/372 USA



Bulgarkontrola Bulgaria



ACS France



GOST Russia



PZH Poland