



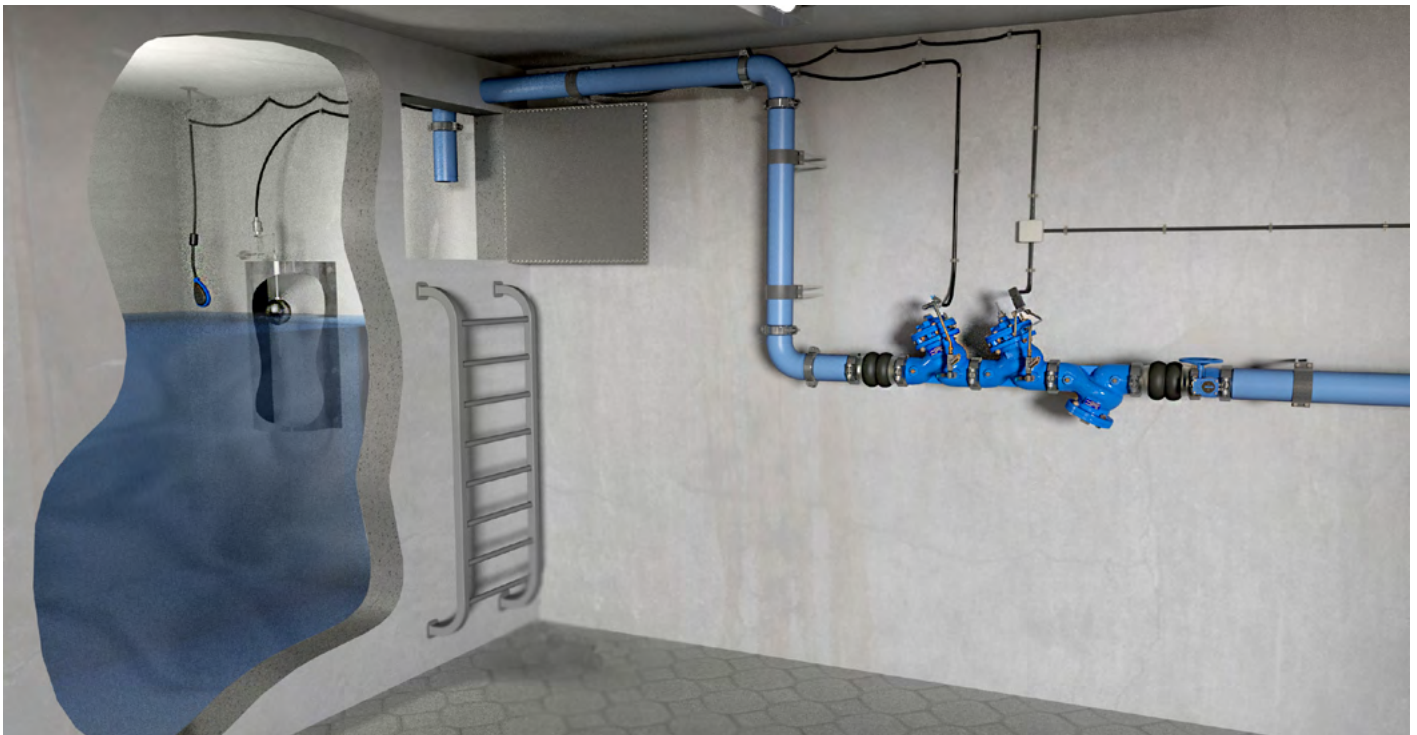
LEVEL CONTROL VALVE

with Bi-Level Electric Float

Model BC-750-65-P

Hydraulically operated, Solenoid controlled valve that open fully or shut off by electric signals, the Bi-Level Electric float sends the valve a signal to open at a pre-set low level and a signal to close at a pre-set high water level. This valve can be activated also by any type of level sensor.

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-750-65-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-750-65-P to

shut off, until water level decrease to a pre-set level. When used as a "back up" valve a limit switch should be added in order to signal malfunction of the main level control valve.

Typical Application

- Primary reservoir level control valve (Typically Normally Closed version) at reservoir inlet
- Backup and safety reservoir level control, installed in tandem with a hydraulic float level control valve (typically Normally Open version) at reservoir inlet
- Maintaining emergency minimal reservoir level (Typically Normally Open, low pressure, double chamber activated version) reservoir outlet



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
- Double chambered electrical control provides power opening under extremely low pressure conditions by using the lower chamber, allowing smooth and quiet water flow
- System failure indication - optional indication to maintenance personnel of abnormal operation conditions requiring immediate attention

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"	750-65	EN	P1	16	4AC	BC-4"-750-65-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	P0			Flanged		ANSI 150	A5	Normally Open ³	AC 50Hz	4A0	
	4" 100							AST-*	S*		AC 60Hz	460	
	6" 150	Threaded						BSP	BP	DC	4D0		
	8" 200							NPT	NP				
	10" 250	250-400 psi / PN25											
	12" 300	Grooved	ANSI C606	V2									
		ISO-6182-12	VB										
		ISO-25	25										
		ABNT25	B2										
		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

The information contained herein may be changed by Bermad without notice. Bermad shall not be held liable for any errors.

© Copyright 2007-2018 Bermad CS Ltd. July 2018