



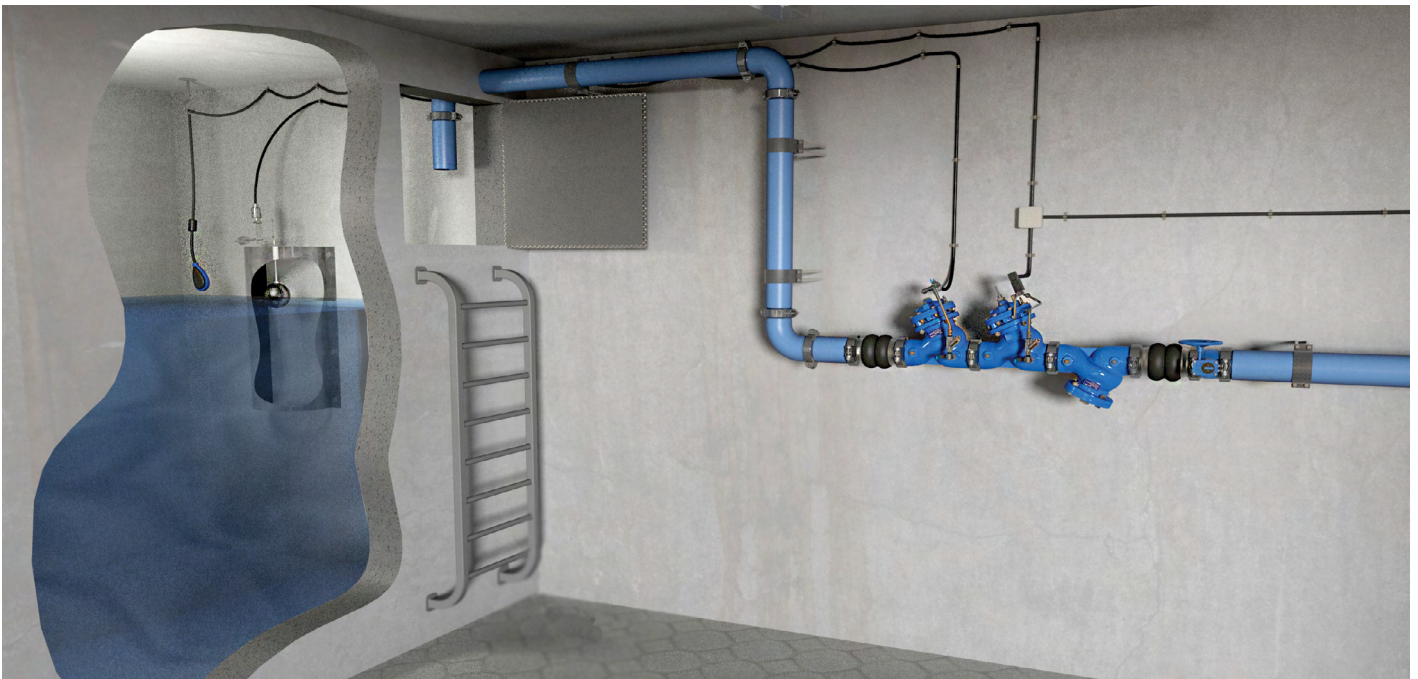
LEVEL CONTROL VALVE

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 globe style control valves available in either standard Y (oblique) or angle pattern configurations. They have a full bore hydrodynamic body providing an unobstructed flow path, with a seat assembly and double chamber unitized actuator that can be removed from the body as a separate integral unit.



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

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

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Features and Benefits

- High quality construction materials ensure reliable, resilient and long lasting operation
- Durable design suitable for highly intensive operation
- Full bore valve port area and hydrodynamic body provide unobstructed flow path, with minimal pressure loss, operation noise and low cavitation damage
- Double chamber actuator provides smooth, immediate valve response with no hammer effect
- Double chambered electrical control provides power opening under extremely low pressure conditions by using the lower chamber, allowing smooth and quiet water flow
- Near maintenance-free design including an actuator that can be easily disassembled from the valve body as a separate integral unit for minimal downtime
- Easy on-site inline maintenance
- System failure indication – optional indication to maintenance personnel of aberrant operation conditions requiring immediate attention

Technical Data

End Connections: Grooved, Flanged, Threaded
Pressure Rating: 250, 400 psi; PN16, 25
Valve Pattern: Y (Oblique) and Angle
Working Temperature: Water up to 140°F; 60°C

Main Valve Materials:

Body, Cover and Partition: Ductile Iron
Optional: Stainless Steel 316
Internals: Stainless Steel, Bronze and Coated Steel
Control accessories: Stainless Steel 316 / Bronze and Brass
Tubing & fittings: Stainless Steel 316, Copper and Brass / Reinforced Nylon and Brass
Diaphragm: EPDM Nylon fabric-reinforced
Seal: NBR
Coating: Blue Fusion bonded epoxy

How to Order

Please Specify the requested valve in the following sequence:

BC	Size	Model	Approval Group	End Connections & Pressure Rating	Solenoid				
BC		750-65							
Buildings And Construction	1½" 2" 2½" 3" 4" 6" 8" 10" 12" Larger sizes available on request	Potable Water		Up to 250 PSI / PN16	Solenoid Configuration				
		WRAS	P1	Grooved	ANSI C606	VI	24V Normally Closed*	AC 50HZ	4AC
		DVGW		Grooved	BS 1378	VB		AC 60HZ	46C
		ACS		Flanged	ISO-16	16		DC	4DC
		GOST		Flanged	ABNT16	B6	AC 50HZ	4A0	
		BELGAQUA		Flanged	ANSI150	A5	AC 60HZ	460	
		PZH		Flanged	JIS-16	J6	DC	4D0	
		BULGARCONTROLA	P2	Threaded	BSP	BP	*Valve Position when Solenoid is De-Energized **Other voltage available		
		SVGW		Threaded	NPT	NP			
		NSF 61/372		250-400 PSI / PN25					
		AS 5081	P3	Grooved	ANSI C606	V2			
		WATER MARK		Grooved	BS 1378	VD			
Unregistered	P0	Flanged		ISO-25	25				
		Flanged	ABNT25	B2					
		Flanged	ANSI300	A3					
			Threaded	BSP	PH				
			Threaded	NPT	NH				

