



LEVEL CONTROL VALVE

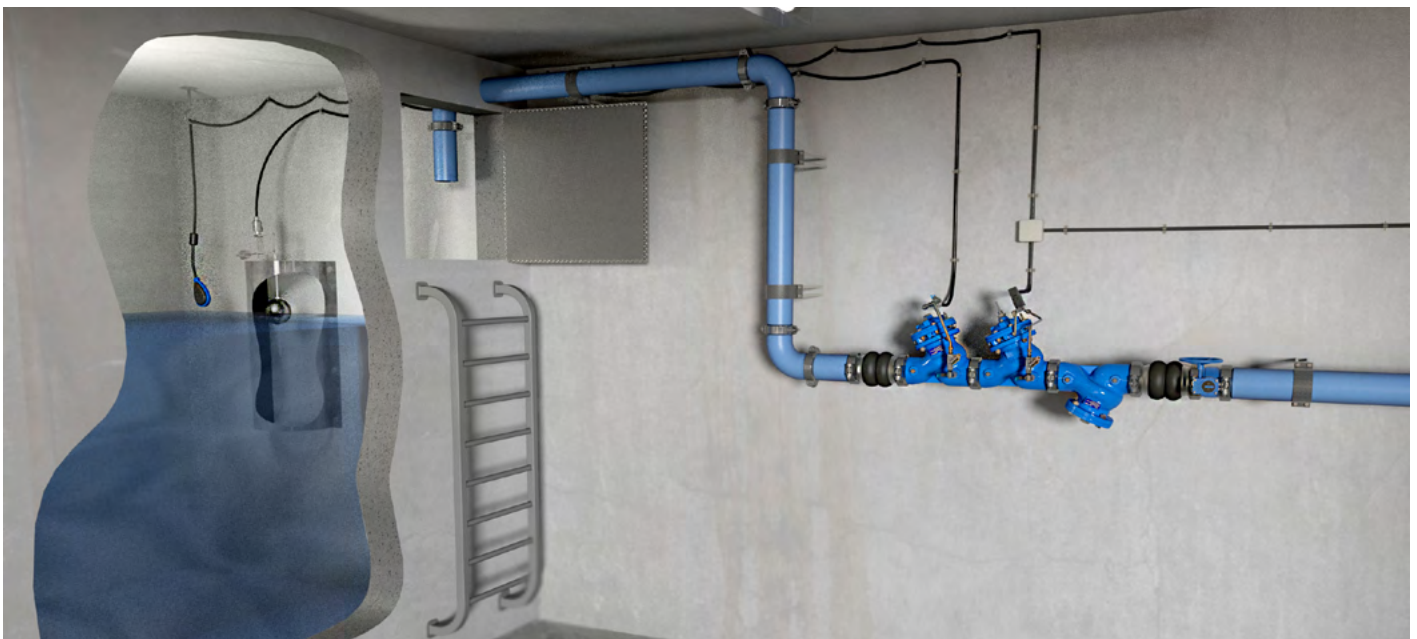
with Bi-Level Vertical Float

Model BC-750-66-P

Hydraulically operated control valve that controls reservoir filling and 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 BC-750-66-P that control high and low water level in the reservoir. 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 BC-750-66-P) or electrically (BC-750-65-P).

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



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
- Double chamber actuator, fully operational under very low pressure conditions including optional full opening & closing action under zero line pressure; provides smooth, immediate valve response with no hammer effect
- 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
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:

BERMAD Segment	Size ¹	Model	Series	Approval Group	End Connections & Pressure Rating	Ordering code would be	
BC	4"	750-66	EN	P1	16		BC-4"-750-66-EN-P1-16
Buildings & Constructions	Inch mm		Series	Potable Water ²	Up to 250 psi / PN16		
	1½" 40		Classic 00	European Standards P1	Grooved	ANSI C606 VI ISO-6182-12 VB	
	2" 50		Sigma EN EN	NSF 61/372 P2	Flanged	ISO-16 16 ABNT16 B6 ANSI 150 A5 AST-* S*	
	2½" 65		Sigma ES ES	Australia Standards P3		Threaded	BSP BP NPT NP
	3" 80			Unregistered P0			
	4" 100						
	6" 150						
	8" 200						
	10" 250						
	12" 300						
						250-400 psi / PN25	
						Grooved	ANSI C606 V2 ISO-6182-12 VB
					Flanged	ISO-25 25 ABNT25 B2 ANSI 300 A3	
					Threaded	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.

