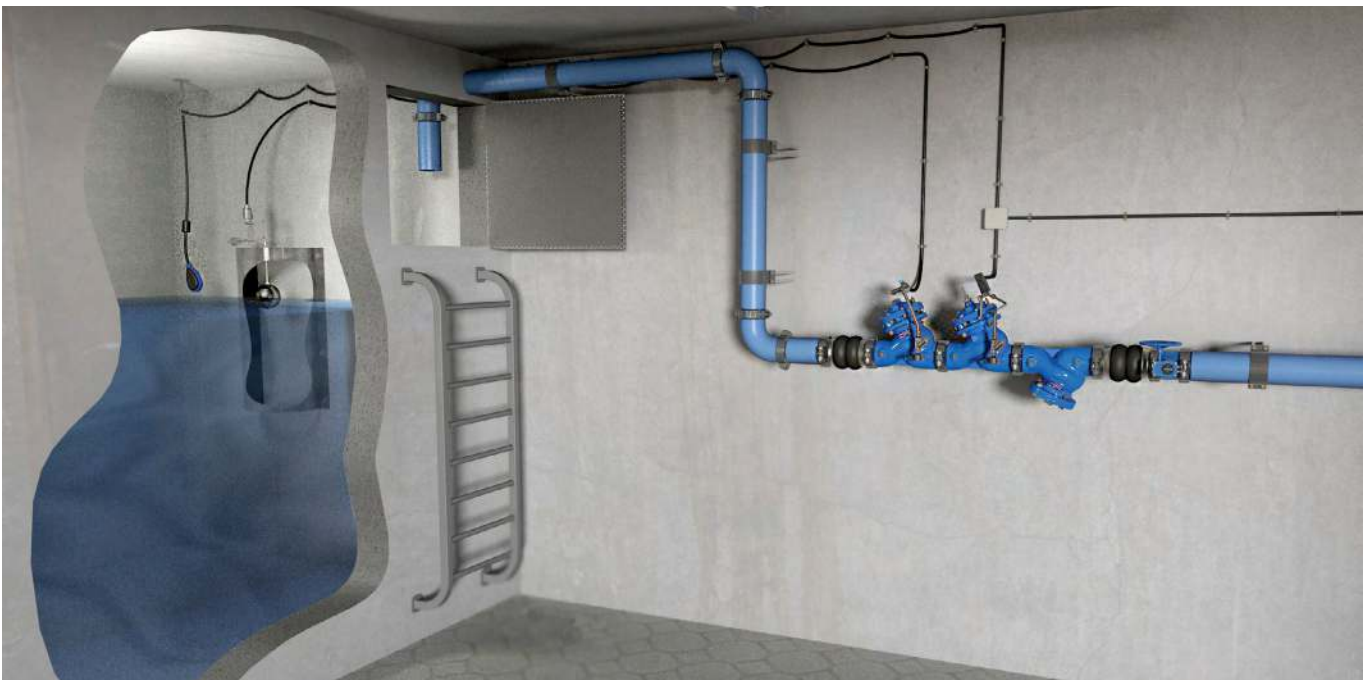


## Level Control Valve with Bi-Level Electric Float Model BC-750-65-P

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.



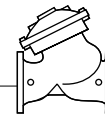
Water Reservoir Level Control System, featuring the BC-750-65-P as an electric controlled backup valve to an hydraulically controlled level control valve.

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)

All images in this catalog are for illustration only



## 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 or Bronze and Brass

**Tubing & fittings:** Stainless Steel 316, Copper and Brass or 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:

	Size	Model	Scope & compatibility	End Connections & Pressure Rating	Solenoid
Building and Construction	BC	750-65	P		
		1½" 2" 2½" 3" 4" 6" 8" 10" 12" Larger sizes available on request	Potable Water WRAS DVGW ACS GOST BELGAQUA PZH BULGARCONTROLA SVGW NSF 61/372 AS 5081 WATER MARK Unregistered	Up to 250 psi / PN16 Grooved Flanged Threaded	VI VB 16 B6 A5 J6 BP NP
			P1		
			P2	250-400 psi / PN25 Grooved	V2
			P3	Flanged	VD
			P0	Threaded	B2 A3 PH NH
			UF		
			UL		
			FM		
			F0		
		EO			
		TO			
				Solenoid Configuration	
				24V ** Normally Closed *	4AC 46C 4DC
				Normally Open *	4A0 460 4D0

\* Valve Position when Solenoid is De-Energized  
\*\* Other voltage available

For other optional materials consult BERMAD

For Dimensions & Weights, IOM and more other detailed engineering data, visit the Series Engineering Documentation or the Downloads Center on the [BERMAD website](http://www.bermad.com)

## Drinking Water Standards, Approvals & Certification:

