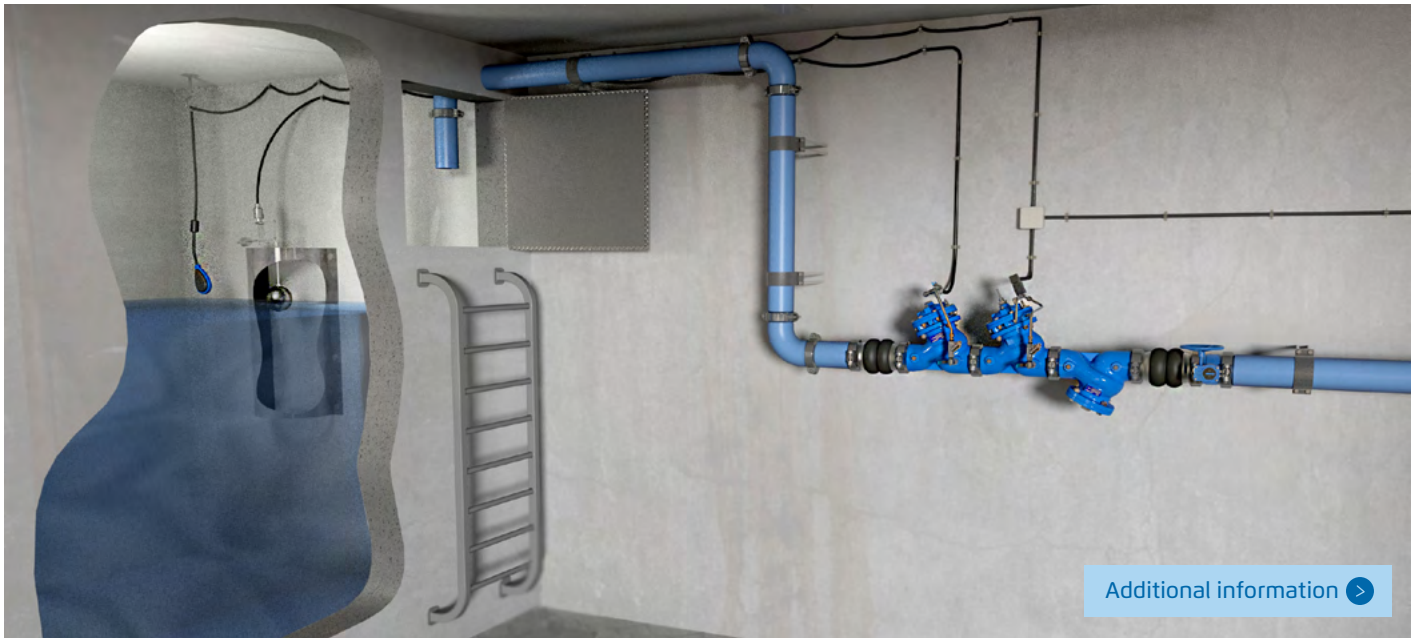
LEVEL CONTROL AND PRESSURE SUSTAINING VALVE

with Bi-Level Vertical Float

Model BC-753-66-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. 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.

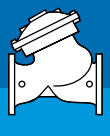


Water Reservoir Level Control System, featuring the BC-753-66-P that control high and low water level in the reservoir in addition to sustaining up stream pressure to prioritize other consumers over reservoir filling. As backup, another level control valve is stationed upstream and calibrated to a slightly 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
- Prioritizing upstream consumers or fire protection appliances over reservoir supply

BERMAD Buildings & Construction



700 Series

Potable Water • Level Control

Model BC-753-66-P

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
- Accurate and reliable level control and pressure sustaining capabilities - preventing reservoir overflows and cut-offs while maintaining minimum upstream pressure
- 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:
Avaliable 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
BC	4"	753-66	EN	P1	16

Ordering code would be

BC-4"-753-66-EN-P1-16

Buildings & Constructions

Inch	mm
1½"	40
2"	50
2½"	65
3"	80
4"	100
6"	150
8"	200
10"	250
12"	300

Series	
Classic	00
Sigma EN	EN
Sigma ES	ES

Potable Water[2]	
European Standards	P1
NSF 61/372	P2
Australia Standards	P3
Unregistered	P0

Up to 250 psi / PN16		
Grooved	ANSI C606	VI
	ISO-6182-12	VB
Flanged	ISO-16	16
	ABNT16	B6
	ANSI 150	A5
	AST-*	S*
Threaded	BSP	BP
	NPT	NP

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.

Additional Configurations & Options

NSF 61/372 USA | Bulgarkontrola Bulgaria | ACS France | GOST Russia | PZH Poland