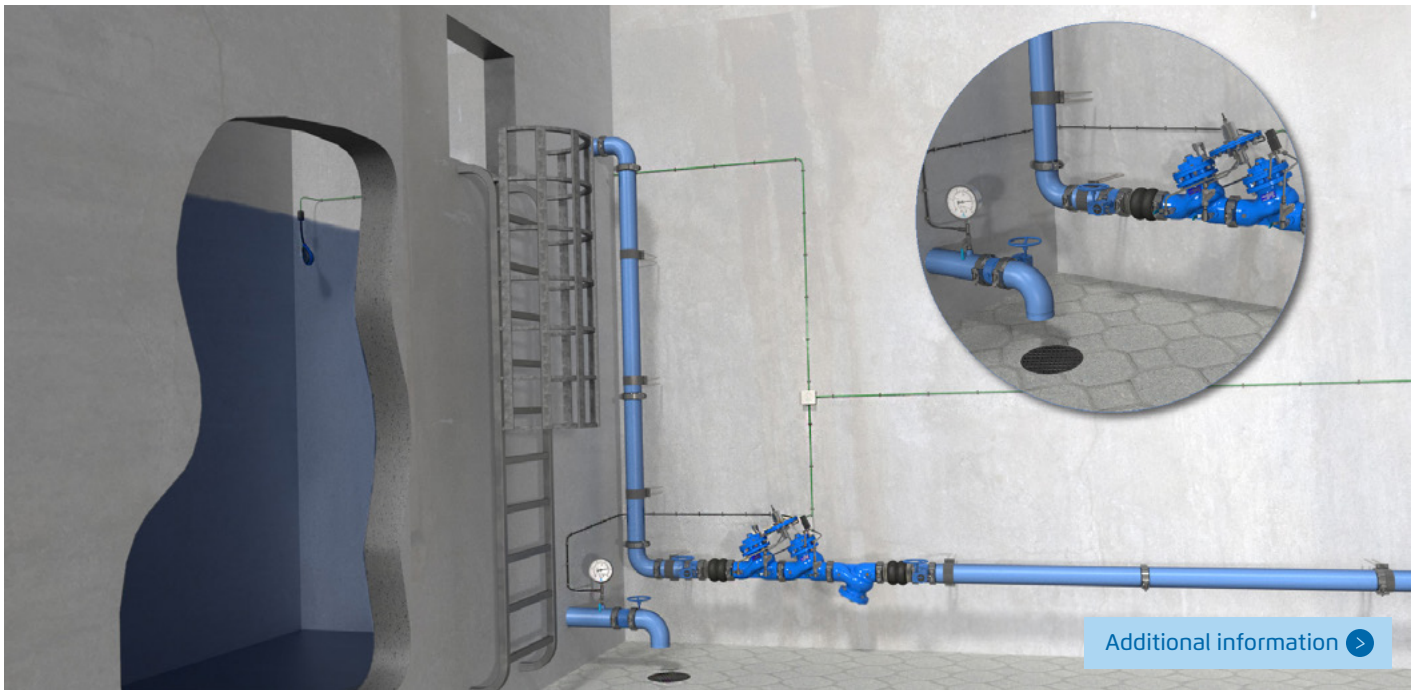
LEVEL CONTROL VALVE

with Modulating Altitude Pilot

Model BC-750-82-P

Reservoir Level Control valve with Altitude Pilot is a hydraulically controlled, diaphragm actuated control valve that shuts at pre-set high reservoir level and opens in response to level drop, keeping the reservoir full regardless of fluctuating demand.

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.



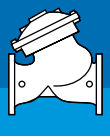
With BERMAD BC-750-82-P the water level is maintained by the use of a highly accurate pilot valve that precisely senses the water level head from a sensing point at the bottom of the reservoir and controls the main filling valve accordingly. Safeguards from overflow, an electric level control valve BC-750-6E-P wait for an electric signal from a water level sensor (featured here is an electric float).

Typical Application

- High level reservoirs & water towers
- "Always full" reservoir, for potable water or dual purpose firewater & potable water reservoir
- Self operated with no float - easy maintenance in hard to access reservoirs.

All images in this catalog are for illustration only

BERMAD Buildings & Construction



700 Series

Potable Water • Level Control

Model BC-750-82-P

Features and Benefits

- External installation and no use of float - simple installations and easy accessibility
- 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
- V-Port Throttling Plug - Low flow stability
- Adjustable Pilot - Easy field level setting and calibration
- 2-Way Control Loop - Immediate, accurate response to sudden system variations

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

Standard water level above pilot is 2-14m; 7-46 ft, for other options consult Bermad

* 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"	750-82	EN	P1	16

Ordering code would be

BC-4"-750-82-EN-P1-16

BERMAD Segment
Buildings & Constructions

Size[1]	
Inch	mm
1½"	40
2"	50
2½"	65
3"	80
4"	100
6"	150
8"	200
10"	250
12"	300

Model
750-82

Series	
Classic	00
Sigma EN	EN
Sigma ES	ES

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

End Connections & Pressure Rating		
Up to 250 psi / PN16		
Grooved	ANSI C606	VI
	BS 1378	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
	BS 1378	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