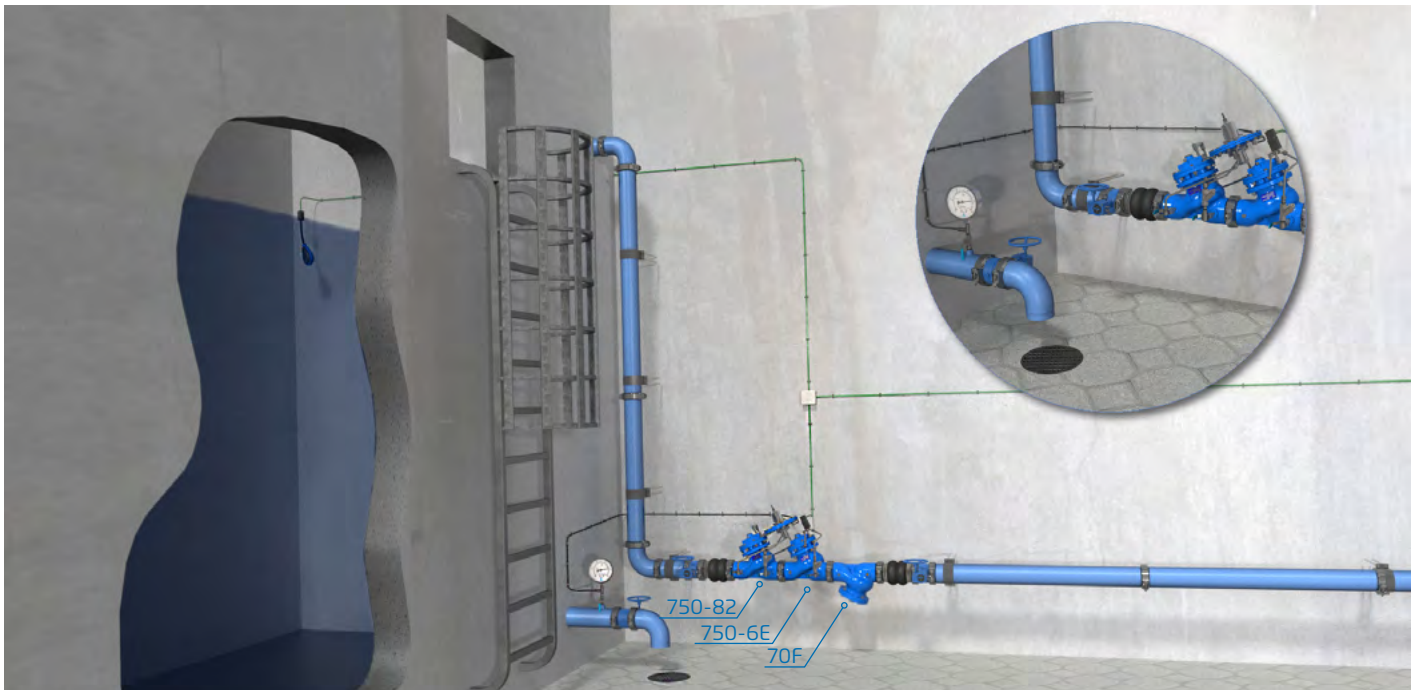
LEVEL CONTROL VALVE

with Modulating Altitude Pilot

Model 750-82

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.



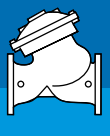
With BERMAD 750-82 the water level is maintained by the use of a highly accurate pilot valve that precisely senses the water level head from a sensing point at the bottom of the reservoir and controls the main filling valve accordingly. Safeguards from overflow, an electric level control valve 750-6E with 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 750-82

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 140ºF; 60ºC
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, POM
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

Additional Configurations & Options >

Please Specify the requested valve in the following sequence:

BC - 2" - 750-82 - 00 - P2 - Y - C - VI - EB - 000 - NN - VN

Segment

Segment
BC

Size

Size	
1½"	DN40
2"	**DN50**
2½"	DN65
3"	DN80
4"	DN100
6"	DN150
8"	DN200
10"	DN250
12"	DN300
14"	DN350
16"	DN400
18"	DN450
20"	DN500
24"	DN600

Model

Model
750-82

Series

Series	Code
Classic	**00**
Sigma EN	EN
Sigma ES	ES

Potable water Compatibility

Potable water Compatibility	Code
Approved	**P2**
Unregistered	P0

Orientation

Orientation	Code
Y Oblique	**Y**
Angle	A

Construction Material

Construction Material	Code
Ductile Iron	**C**
Stainless Steel 316	N

End Connection

End Connection	Standard	Code
Up to 250 psi / PN16		
Grooved	**ANSI C606**	**VI**
	BS 1387	VB
Flanged (Other standards available)	ISO-16	16
	ABNT16	B6
	ANSI 150	A5
	AST-*	S*
Threaded	BSPT	BP
	NPT	NP
250-400 psi / PN25		
Grooved	ANSI C606	V2
	BS 1387	VD
Flanged (Other standards available)	ISO-25	25
	ABNT25	B2
	ANSI 300	A3
Threaded	BSPT	PH
	NPT	NH

Coating

Coating	Code
Epoxy Blue	**EB**
Epoxy Blue with UV Protection	EV
Uncoated	UC

Solenoid Voltage

Solenoid Voltage	Code
No Solenoid	**000**
24VAC/50Hz	4A
24VAC/60Hz	46
24VDC	4D
220VAC/50-60Hz	2A
220VDC	2D
110VAC/50-60Hz	5A
110VDC	5D
12VDC	1D

Main Valve Position (When Solenoid De-energized)

Main Valve Position (When Solenoid De-energized)	Code
Normally Closed	C
Normally Open	O
Last Position	P
Latch Solenoid	S

Additional Attributes (Multiple Options Permitted)

Additional Attributes (Multiple Options Permitted)	Code
V-Port Throttling Plug	**V**
Valve Position Indicato	I
Limit Switch	S
Flow Stem	M
Double Chamber (Active)	B
3-Way Control	X
St.St. 316 All Control Accessories	**N**
Pressure Gauge	6
Orifice Assembly	U
Large Control Filter	F
In Line Filter	C
Manual Selector	Z

Tubings & Fittings

Tubings & Fittings	Code
Copper Tubing & Brass Fittings	CB
Stainless Tubing & Fittings	**NN**

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

Manufactured and Tested According to AWWA C530-12 Requirements