Model WW-410-BP

Solenoid Controlled Valve

Hydraulically operated, solenoid controlled valve that either opens fully or shuts off in response to an electric signal.
It is available in several models including Normally Open (NO), Normally Closed (NC) or Last Position (LP).
BERMAD 400 series valves are hydraulically operated, simple and reliable, globe valves with full bore hydrodynamic body providing an unobstructed flow path and superior performance.
The valves balanced rolling-diaphragm assembly is vulcanized with a rugged radial seal disk construction, performing as the valves only moving part.

For illustration only

Typical Application

- Prioritizing pressurized lines users; disconnecting low priority users, triggered by external control system
- Saving energy while ensuring adequate refreshing of the building reservoir; switching between direct city supply and local pumping station, controlled by an external control regime

BERMAD Construction & Buildings

400 Series

Pump Applications

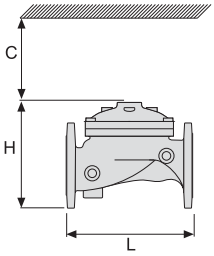
Model WW-410-BP

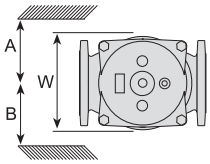
Features and Benefits

- High quality construction materials ensure reliable, long lasting operation
- Full bore valve port area and hydrodynamic body ensure unobstructed flow path; minimal pressure loss with low cavitation damage
- Fully supported and balanced rolling diaphragm – low actuation pressure and excellent low flow regulation performance
- Ensured operation after long standby periods
- Straightforward design of three major components – easy and simple on-site inline maintenance with minimal down time
- Advanced design – easily connected to building command and control systems
- Electrical operation; low voltage and low current NO and NC solenoids
- 3-way solenoid control provides powered closing under low pressure conditions
- Integral manual ON/OFF/AUTO solenoid control

Technical Data

Size		Kv	A,B	C	L	H	W			Weight (kg)	
DN	Inch						Thr	Fla	Gro	Th/Fl	Gro
50	2”	57	330	68	205	155	119	155	119	9	5
65	2½”	78	340	110	205	178	129	178	n/a	10.5	10.5
80	3”	136	350	125	250	210	170	200	170	19	10.6
100	4”	204	360	145	320	242	n/a	223	204	28	16.2
150	6”	458	400	205	415	345	n/a	306	306	68	49
200	8”	781	430	260	500	430	n/a	365	n/a	125	125





End Connections:

Grooved: ANSI C606
Flanged: ISO 7005-2 (PN10 & 16); ANSI B16.42 (#150)
Threaded: ISO-7-Rp or NPT
Others: Available on request
Pressure Rating: 16 bar (230 psi)
Valve Pattern: Globe & Angle (2”-4”)
Working Temperature: Water up to 60°C (140°F)

Main Construction Materials:

Body, Cover and Actuator: Ductile Iron
Internals: Stainless Steel & Elastomer
Control Trim System: Brass control components / accessories
Copper & Brass tubing & fittings
Optional: Stainless Steel 316
Elastomers: Nylon fabric Reinforced NR with rugged insert
Coating / colour: Electrostatic Polyester Powder Blue
Optional: Epoxy Fusion-Bonded Blue

For other optional materials consult BERMAD

How to Order

Please specify the requested valve in the following sequence:

Size	Model	Category	End Connections
	410	BP	

Size
2”
2½”
3”
4”
6”
8”

End Connections		
Flanged	ISO-16	16
	ANSI-150	A5
	ABNT-16	B6
Threaded	BSP	BP
	NPT	NP
Grooved	ANSI C606	V1