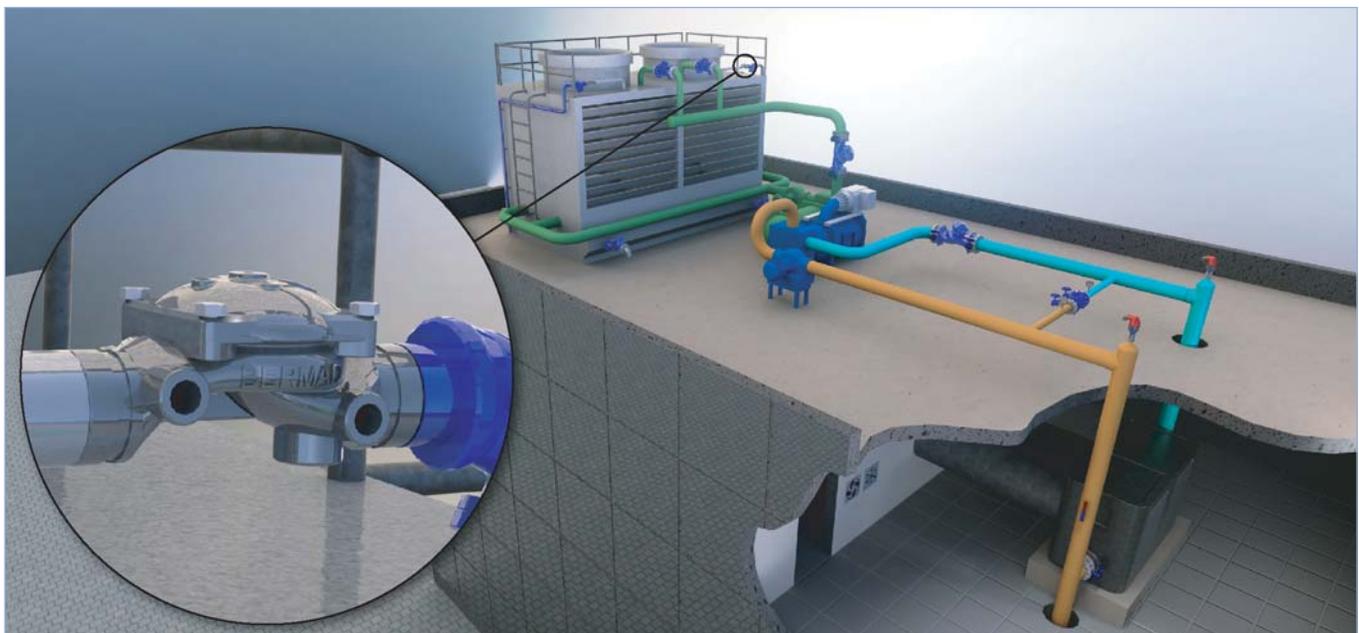


## Level Control Valve with Bi-Level Electric Float

Heating and cooling facilities.

Reservoir filling is in response to a Bi-level electric float switch signal opening at a pre-set low level and shutting off at a pre-set high level. 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.

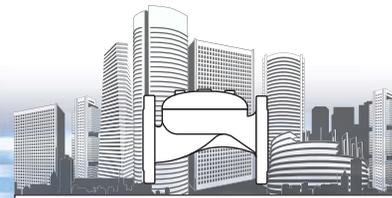


For illustration only

### Typical Application

- Cooling towers applications; level control of make-up water and bleed water collection tanks
- Closed-loop heating/cooling systems; open tanks level control
- Heating/cooling systems; level control of treated water feeding tanks
- Electrical emergency override on hydraulic level control systems
- Duty cycle and valve prioritizing management on multi branch systems

# BERMAD Construction & Buildings



400 Series

Level Control

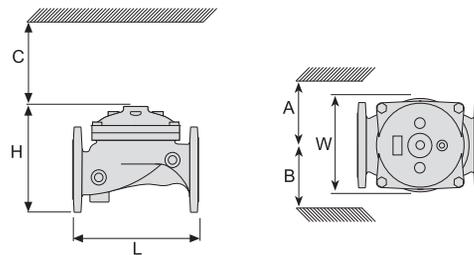
Model WW-450-65-BE

## 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 three major components design – easy and simple on-site inline maintenance with minimal down time
- Accurate and reliable level control; preventing reservoir overflows and cut-offs
- Ensures uninterrupted supply to the building critical systems that are dependent on the reservoir performance for their water needs
- Electrical operation; Low voltage and low current NO and NC solenoids
- Optional complete closing of the valve by external hydraulic / electric control source regardless of the supply line pressure

## Technical Data

Size DN	Inch	Kv	A,B	C	L	H	W			Weight (kg)	
							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

## How to Order

Please specify the requested valve in the following sequence:

Size	Model	Category	End Connections
	450-65	BE	
2"			Flanged ISO-16 16
2½"			ANSI-150 A5
3"			ABNT-16 B6
4"			Threaded BSP BP
6"			NPT NP
8"			Grooved ANSI C606 V1

For other optional materials consult BERMAD



For full technical specifications, see Engineering section or consult BERMAD

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