

LEVEL CONTROL VALVE

with Bi-Level Electric Float

Model 1050-65

Hydraulically operated control valve that controls reservoir filling and reservoir level. 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 preset high level.

The BERMAD 1000 control valve features advanced design, accurate regulation, and high flow capacity. Its unique structure allows easy maintenance and supports various end connections to reduce pipeline stress.



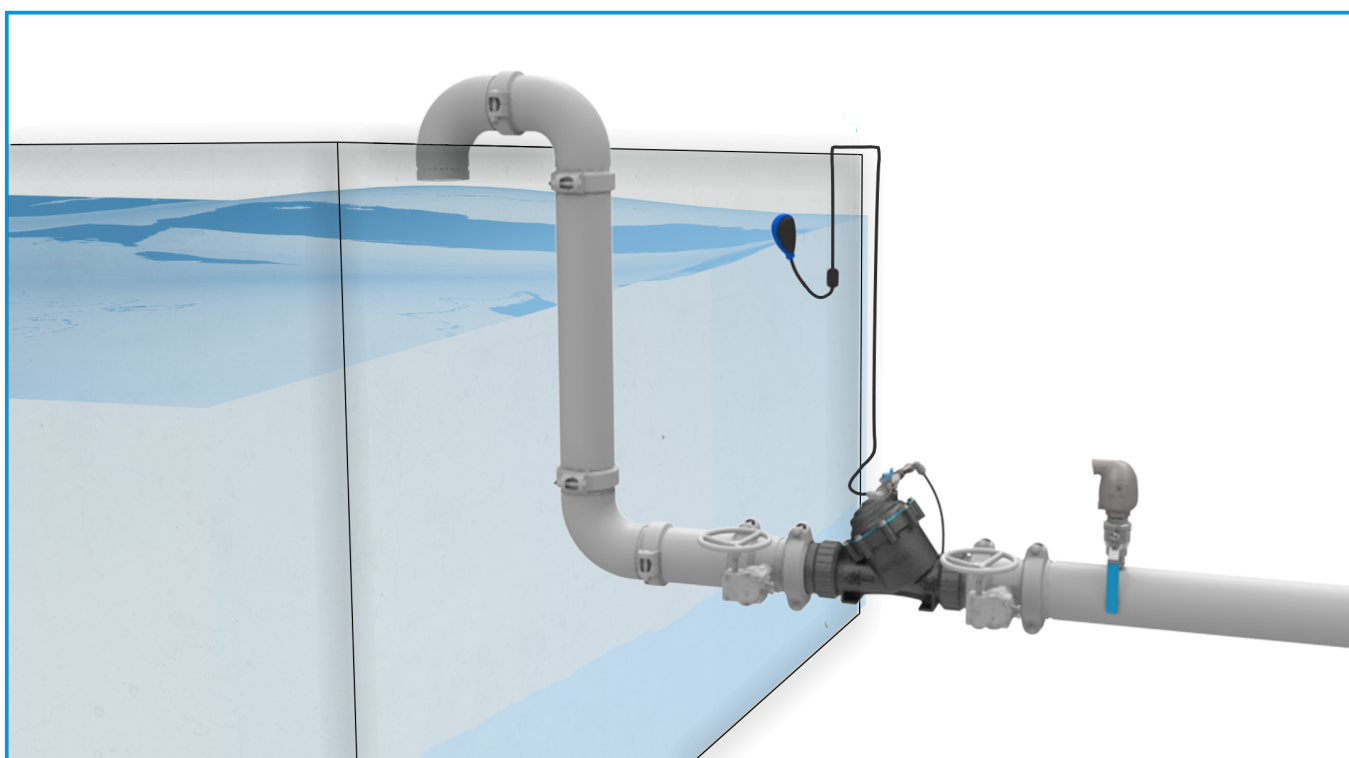
Features & Benefits

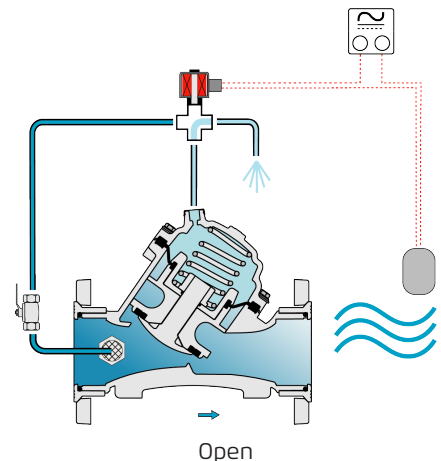
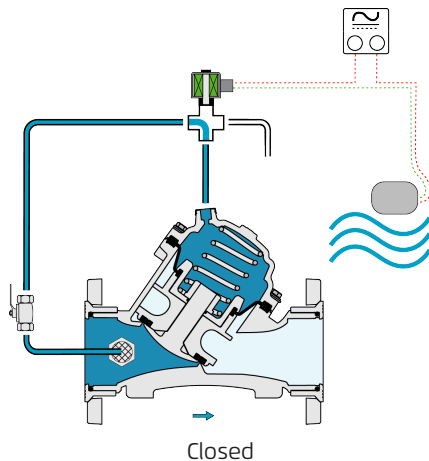
- Easy set-up
 - Super light weight
 - Line pressure driven - no external power needed
 - Easy pressure setting - in site or pre-ordered
 - Adaptable on-site to a wide range of end connection
- Simple and durable design
 - Excellent cavitation resistance
 - Highly durable construction & material - No rust
 - Unitized actuator unit - remove, replace, restore
 - In-line serviceable - no need to remove from line
- All the benefits of a diaphragm actuated control valve
 - Wide flow range
 - Low flow stability
 - Drip tight sealing
 - Obstacle free flow pass
 - Easy addition of features

Typical Applications

- Level control for water reservoirs
- Bi-Level control for water refreshment and silent operation
- Serves as a safety valve in tank filling systems
- Potable water and grey water

Typical Installation





Main Valve

Size Range:

EN Series: 1½"-4"; DN40-100

ES Series: 2"-6"; DN50-150

Pattern: "Y" (globe)

Pressure Rating: 16 bar

End Connection: Threaded, Grooved, Flanged

Temperature Rating: For Cold Water Applications

Optional higher temperature: Consult BERMAD

Standard Materials:

Body & Cover: Reinforced Polyamide

Cover Bolts: Stainless Steel 304

Internals: Reinforced Polyamide

Diaphragm: EPDM

Spring: Stainless Steel

Seals: EPDM

Control System

Standard Materials:

Accessories: Stainless Steel / Bronze & Brass / Polyamide

Tubing: Stainless Steel or Polypropylene

Fittings: Stainless Steel or Acetal

Solenoid standard materials:

Body: Brass or Stainless Steel

Elastomers: NBR or FPM

Enclosure: Molded Epoxy

Solenoid Electrical Data:

Voltages:

(AC): 24, 110-120, 220-240, (50-60Hz)

(DC): 12, 24, 110, 220

Power Consumption:

(AC): 30VA, inrush; 15VA (8W), holding or 70VA, inrush; 40VA (17.1W), holding

(DC): 8-11.6W

Values may vary according to specific solenoid model.

For more details check solenoid product page.

Float Switch:

Max Current: 16A @ 250 V

Fluid Specific Weight: 0.95-1.1

Working Temperature: Water up to 65°C (140°F)

Dimensions:

Cable Length - 10 m; 32.8 ft

Length - 103.5 mm; 4" Width - 78 mm; 3"

Notes

- Recommended continuous flow velocity: 0.1-6.0 m/sec; 0.3-20 ft/sec.
- Minimum operating pressure: 0.7 bar; 10 psi. For lower pressure requirements consult factory.
- See BERMAD float installation recommendation.

For detailed Engineering & Specification data, IOM and CAD Drawings, visit the Model Page on the BERMAD website.