

SOLENOID CONTROLLED VALVE

Model 1010

Hydraulically operated, diaphragm actuated, 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 LATCH.

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.



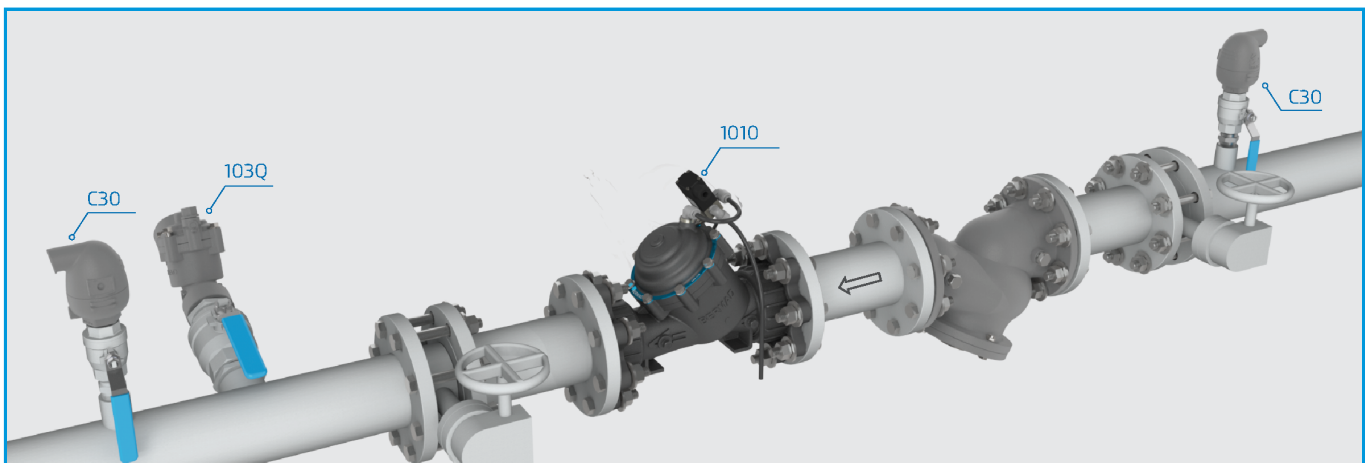
Features & Benefits

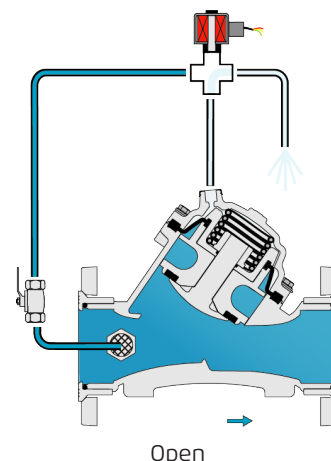
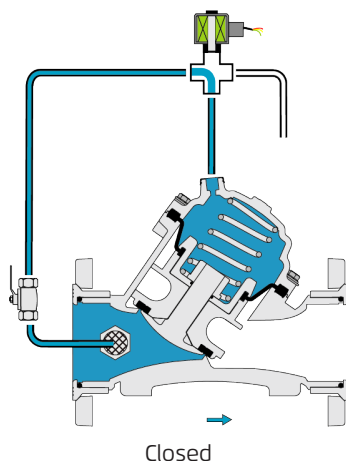
- Easy set-up
 - Super light weight
 - Line pressure driven - no external power needed
 - Easy pressure setting - in site or pre-ordered
 - Adaptable on-site to a wide range of end connection
- Simple and durable design
 - Excellent cavitation resistance
 - Highly durable construction & material - No 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

- Water reservoirs - Serves as a block valve in tank filling systems
- Water reservoirs - Bypass for direct supply during reservoir maintenance
- Filtration system - Channeling flow during backflushing in an automatic filtration system

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.

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.

For detailed Engineering & Specification data, IOM and CAD Drawings, visit the Model Page on the [BERMAD](https://www.bermad.com) website.