

BASIC HYDRAULIC CONTROL VALVE

Model 1005

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.

Its composite structure materials guarantee corrosion-free performance. It is also light weight.

The 1000 composite series comply for potable water use.



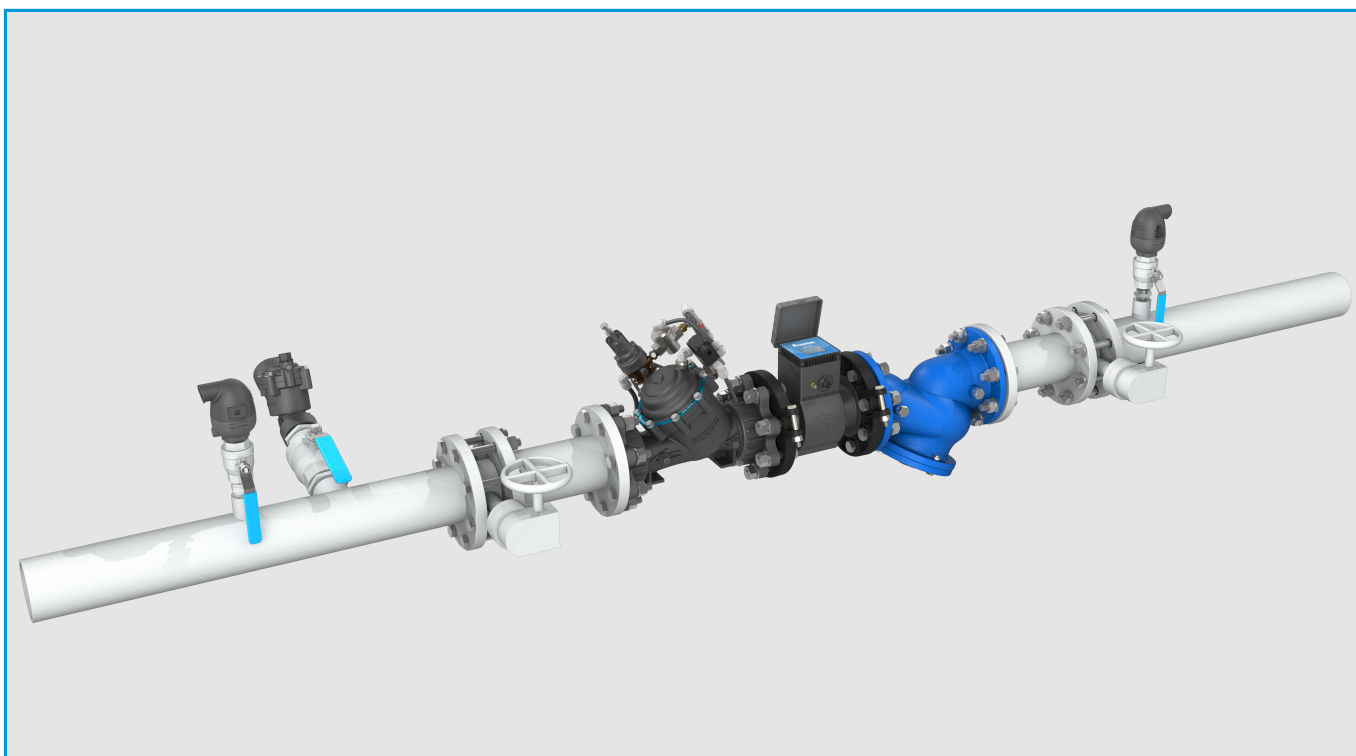
Features & Benefits

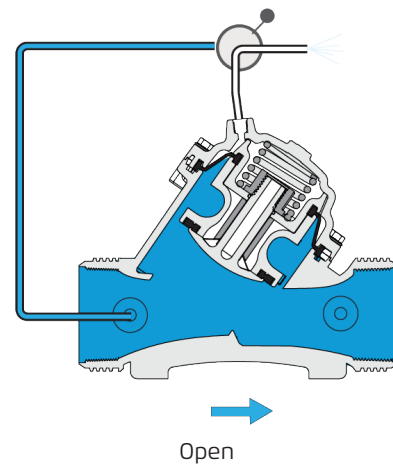
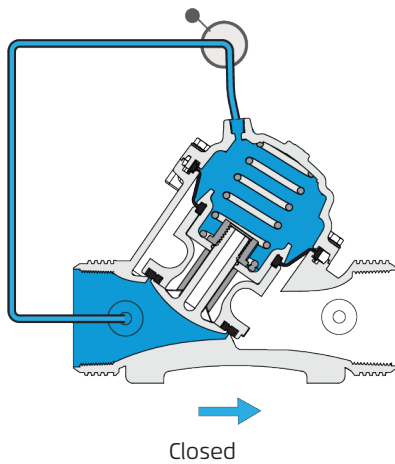
- Easy set-up
 - Super light weight
 - Line pressure driven - no external power needed
 - Easy pressure setting - in site or pre-ordered
 - Adaptable on-site to a wide range of end connection
- Simple and durable design
 - Excellent cavitation resistance
 - Highly durable construction & material - No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

- Various applications in water systems for buildings, constructions, and municipal use
- Pressure reducing
- Level control for water reservoirs
- Pressure sustaining
- Pump circulation valve
- Pressure relief
- On/Off service

Typical Installation





Main Valve

Size Range:

EN Series: 1½"-4"; DN40-100

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

Pattern: "Y" (globe)

Pressure Rating: 250 psi

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

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 website.