



## BERMAD 1000 Series Valves



NSF 61&372

BERMAD's 1000 series represents a breakthrough in control valve technology.

The new lightweight composite PN16; 250 PSI valve will eliminate corrosion and deliver years of trouble-free performance.

Typical applications include pressure control, reservoir level control and on-off applications in waterworks systems, water treatment plants and industrial applications.

## Features and Benefits

- Easy & simple maintenance – 4 lightweight parts
- Zero rust – hi-tech composite valve
- Highly resistant to cavitation damage
- Excellent flow capacity with minimum headloss
- Accurate & stable regulation at all flows

### Advanced Composite Polymer Material

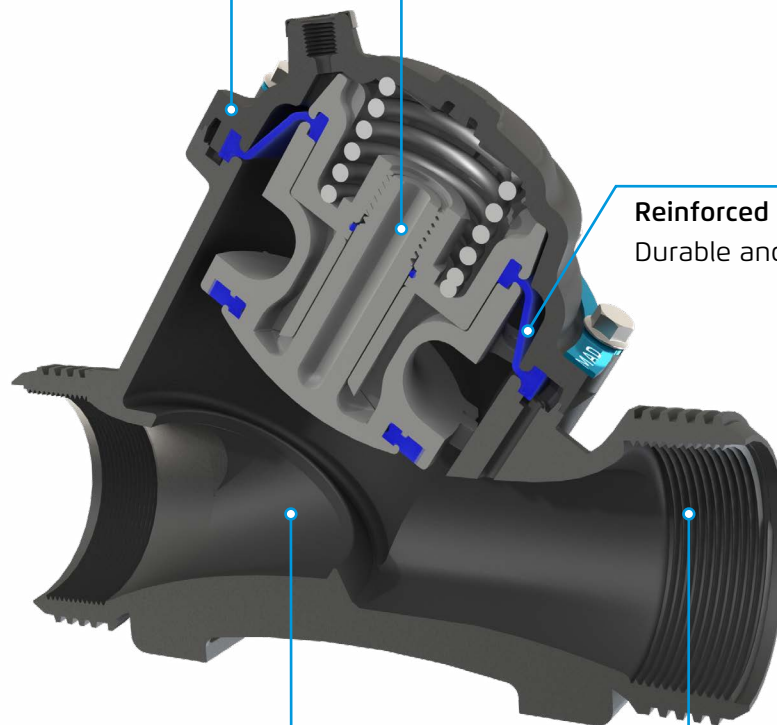
Strong and light weight; bringing the next generation of materials to the water supply industry

### Unitized Actuator Assembly

Allows fast and simple in-line maintenance

### Reinforced Rolling Diaphragm

Durable and reliable operation



### Unobstructed Flow

High capacity semi-straight flow for exceptionally low head loss

### Internal Threads or Adaptors

Flexible design allows for Threaded, Groove, or Flange connections

# Typical Applications

## 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 variations including Normally Open (NO), Normally Closed (NC) or Last Position (LP).



## PRESSURE REDUCING VALVE

### Model 1020

Hydraulically operated, pressure reducing control valve that reduces higher upstream pressure to lower constant downstream pressure, regardless of fluctuating demand or varying upstream pressure.



## PRESSURE RELIEF/ SUSTAINING VALVE

### Model 1030

Pressure relief/sustaining hydraulically operated control valve that can fulfill either of two separate functions: When installed in-line, it sustains minimum pre-set, upstream (back) pressure regardless of fluctuating flow or varying downstream pressure. When installed as a branch or circulation valve, it relieves excessive line pressure when above maximum pre-set.



## LEVEL CONTROL VALVE with Modulating Horizontal Float

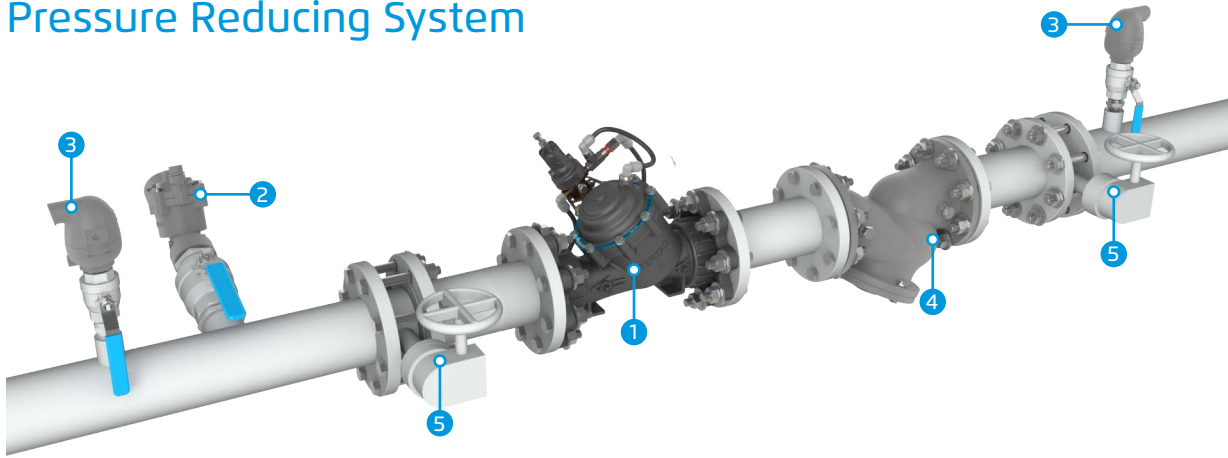
### Model 1050-60

Hydraulically operated valve that modulates reservoir filling with a horizontal modulating float device. Reservoir filling and level are maintained constant, regardless of fluctuating demand.



# Typical Installations

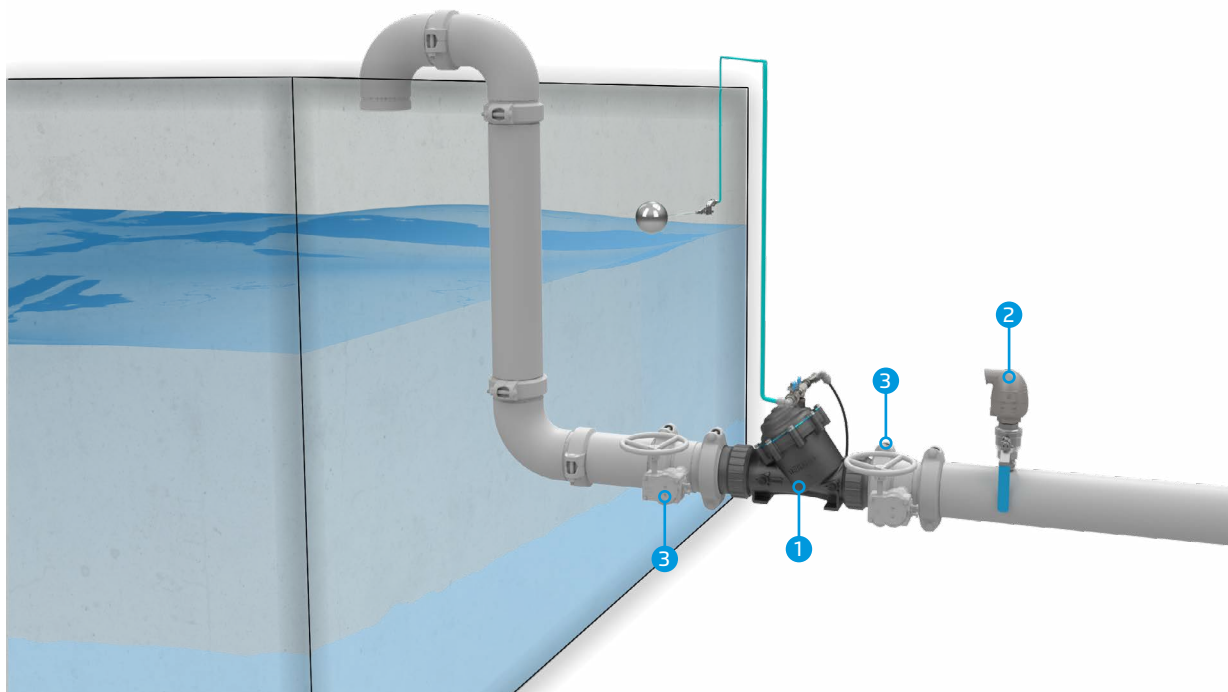
## Pressure Reducing System



1. Pressure Reducing Valve, Bermad Model 1020
2. Pressure Relief Valve, Bermad Model 103Q
3. Combination Air Valves, Bermad Model C30
4. Strainer, Bermad Model 70F
5. Isolating Valve

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## Water Reservoir Level Control System



1. Level Control Valve, Bermad Model 1050-60
2. Combination Air Valves, Bermad Model C30
3. Isolating Valves

## Construction Materials:

1. **Cover Bolts:** Stainless Steel
2. **Cover:** Reinforced Polyamide
3. **Closing Spring:** Stainless Steel
4. **Plug Assembly:**
  - 4.1. **Diaphragm:** EPDM
  - 4.2. **Diaphragm Holder:** Reinforced Polyamide
  - 4.3. **Plug:** Reinforced Polyamide
  - 4.4. **Plug Seal:** EPDM
5. **Valve Body:** Reinforced Polyamide
6. **Corona Flange Adaptor:**
  - Adaptor:** Reinforced Polyamide
  - Flange:** Epoxy Coated Ductile Iron
  - O-Ring:** EPDM
7. **Grooved Adaptor:**
  - Reinforced Polyamide**
  - O-Ring:** EPDM



## Size Range & End Connections

	1.5"-EN	2"-EN	3"-EN	4"-ES	4"-EN	6"-ES
Threaded	+	+	+			
Flanged			+	+	+	+
Grooved		+	+	+	+	

# About BERMAD

BERMAD is a leading, privately-owned global company that designs, develops and manufactures tailor-made water & flow management solutions that include state-of-the-art hydraulic control valves, air valves and advanced metering solutions.

Founded in 1965, we have spent over 50 years interacting with the world's major end users,

and accumulating knowledge and experience in multiple markets and industries. Today, we are recognized as a pioneer and established world-leading provider of water & flow management solutions that give our customers the unprecedented operational efficiency, superior quality, durability, and performance needed to meet the demanding challenges of the 21st century.

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