# **BERMAD** Buildings & Construction

Potable Water • Pressure Control



# QUICK PRESSURE RELIEF VALVE

# Model BC-73Q-P

Hydraulically operated, diaphragm actuated quick pressure relief valve that relieves excessive system pressure when such pressure rises above a pre-set value. It responds immediately, accurately, and with high repeatability to a rise in system pressure by opening fully and triggering an alarm (optional). It also provides smooth drip tight closing.

BERMAD 700 series valves are hydraulic, oblique pattern, globe valves with double chamber unitized actuator, that can be disassembled from the body as a separate integral unit. The valves hydrodynamic body is designed for unobstructed flow path and provides excellent and highly effective modulation capacity for high differential pressure applications.





Pressure Reducing Station, featuring BERMAD BC-73Q-P valves to relieve excessive downstream pressure, a redundant, parallel branch to minimize the possibility of total water shut-off and a low flow

bypass branch for low demand operation. For information on the other BERMAD products in this system please see the product data sheet for the BERMAD BC-720-P and BERMAD BC-70F-P.

## **Typical Application**

- Protects downstream against excessive pressure
- Prevents system damage due to sudden demand reduction
- Relieves pressure spikes due to abrupt pump stoppages

**Note:** The BERMAD BC-73Q-P requires proper drainage, where drainage is limited, consider the BERMAD BC-72S-H-P or the BERMAD BC-794-P

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#### Features and Benefits

- High Quality Construction Materials Reliable, resilient and long lasting operation
- Robust Design Suitable for constant, intense operation
- In-Line Serviceable Quick and easy maintenance and service
- Line Pressure Driven Independent operation, no external power needed
- Unitized Actuator Assembly Minimal downtime

- Hydrodynamic Body with Unobstructed Flow Path Minimal noise and cavitation damage
- 2-Way Control Loop Immediate, accurate response to sudden system variations
- Adjustable Pilot Easy field pressure setting and calibration
- Valve Operation Indication (optional) Immediate notification to maintenance personnel

## Technical Data General:

End connections:

Grooved / Flanged / Threaded Pressure Rating: 400 psi; PN25 Valve Pattern: Y (Oblique) / Angle

Working Temperature: Cold Water up to 140°F; 60°C **Optional Higher Temperatures:** 

Available on request

#### Main Valve Materials:

Body, Cover and Partition:

Standard: Ductile Iron Optional: Stainless Steel 316

Seat: Stainless Steel

Internals:

Stainless Steel, Tin Bronze & Coated Steel,

Diaphragm: Fabric-reinforced synthetic

Seals: Synthetic rubber

Coating: Blue Fusion bonded epoxy

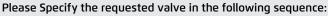
#### **Control Trim Materials:**

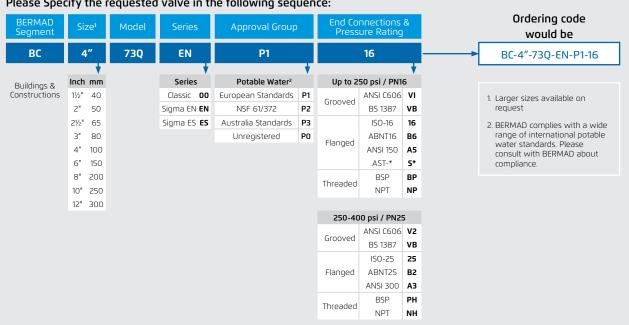
#### Control Accessories:

Stainless Steel / Bronze & Brass Tubing: Stainless Steel / Copper Fittings: Stainless Steel / Brass

\* For other optional material consult BERMAD. \*\* Materials may vary according to sanitary standard.

### How to Order



















Manufactured and Tested According to AWWA C530-12 Requirements