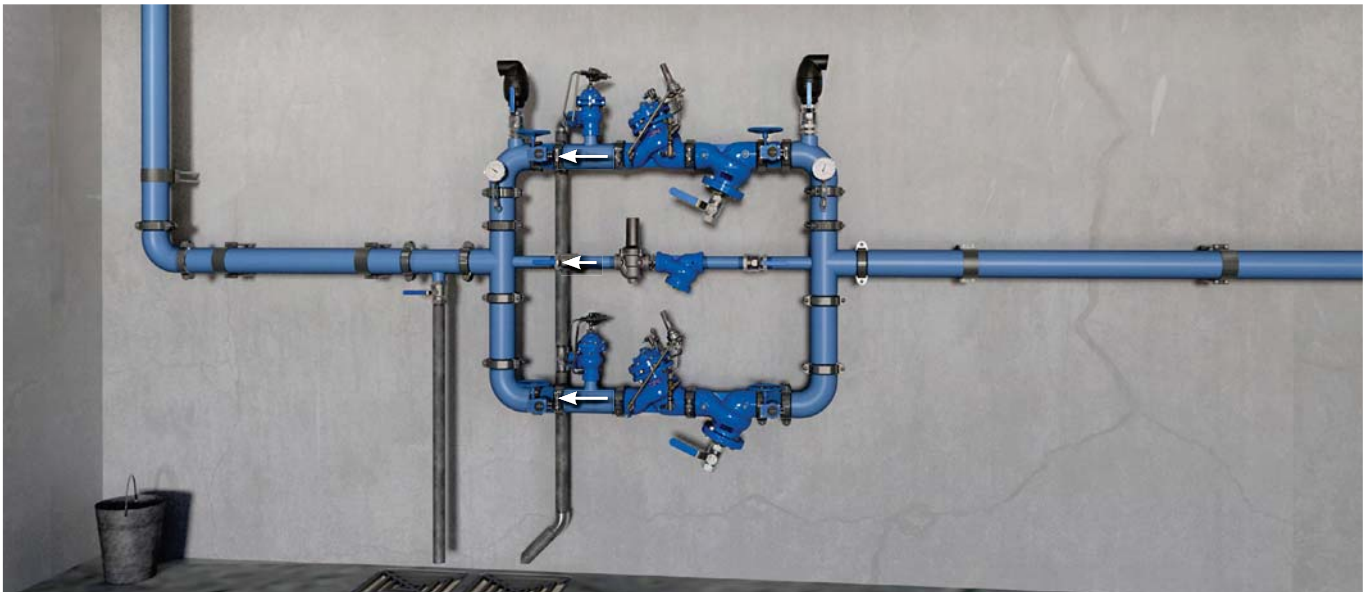


# Quick Pressure Relief Valve

## 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. It also provides smooth drip tight closing.

BERMAD 700 series valves are globe style control valves available in either standard Y (oblique) or angle pattern configurations. They have a full bore hydrodynamic body providing an unobstructed flow path, with a seat assembly and double chamber unitized actuator that can be removed from the body as a separate integral unit.



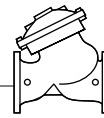
Pressure Reducing Station, featuring BERMAD BC-73Q-P valves to relieve excessive downstream pressure, a redundant, parallel branch to minimize the possibility of total water shut-off and a low flow bypass branch for low demand operation. For information on the other BERMAD products in this system please see the product data sheet for the BERMAD BC-720-P and BERMAD BC-70F-P.

### Typical Application

- Protects downstream against excessive pressure due to PRV failure
- 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

All images in this catalog are for illustration only



## 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
- Protected Diaphragm – Minimizes chance of damage caused by debris in the pipeline
- 2-Way Control Loop – Immediate, accurate response to sudden system variations
- Adjustable Pilot – Easy field pressure setting and calibration
- System Failure Indication (optional) – Immediate notification to maintenance personnel

## Technical Data

**End Connections:** Grooved, Flanged, Threaded

**Pressure Rating:** 250, 400 psi; PN16, 25

**Valve Pattern:** Y (Oblique) and Angle

**Working Temperature:** Water up to 180°F; 80°C

**Main Valve Materials:**

**Body, Cover and Partition:**

*Standard:* Ductile Iron

*Optional:* Stainless Steel 316

**Internals:** Stainless Steel, Bronze and Coated Steel

**Control Accessories:** Stainless Steel 316

OR Bronze and Brass

**Tubing & Fittings:** Stainless Steel 316

OR Copper and Brass

OR Reinforced Nylon and Brass

**Diaphragm:** EPDM, Nylon Fabric-Reinforced

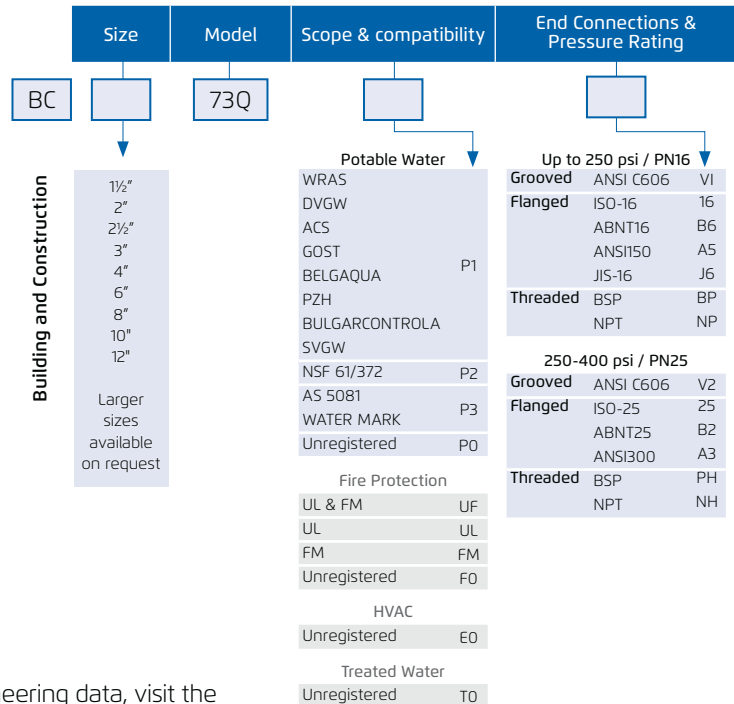
**O-Rings:** EPDM

**Seal:** NBR

**Coating:** Fusion Bonded Epoxy, RAL 5017 (Blue)

## How to Order

Please specify the requested valve in the following sequence:



For other optional materials consult BERMAD

For Dimensions & Weights, IOM and more other detailed engineering data, visit the Series Engineering Documentation or the Downloads Center on the [BERMAD website](http://www.bermad.com)

## Drinking Water Standards, Approvals & Certification:

