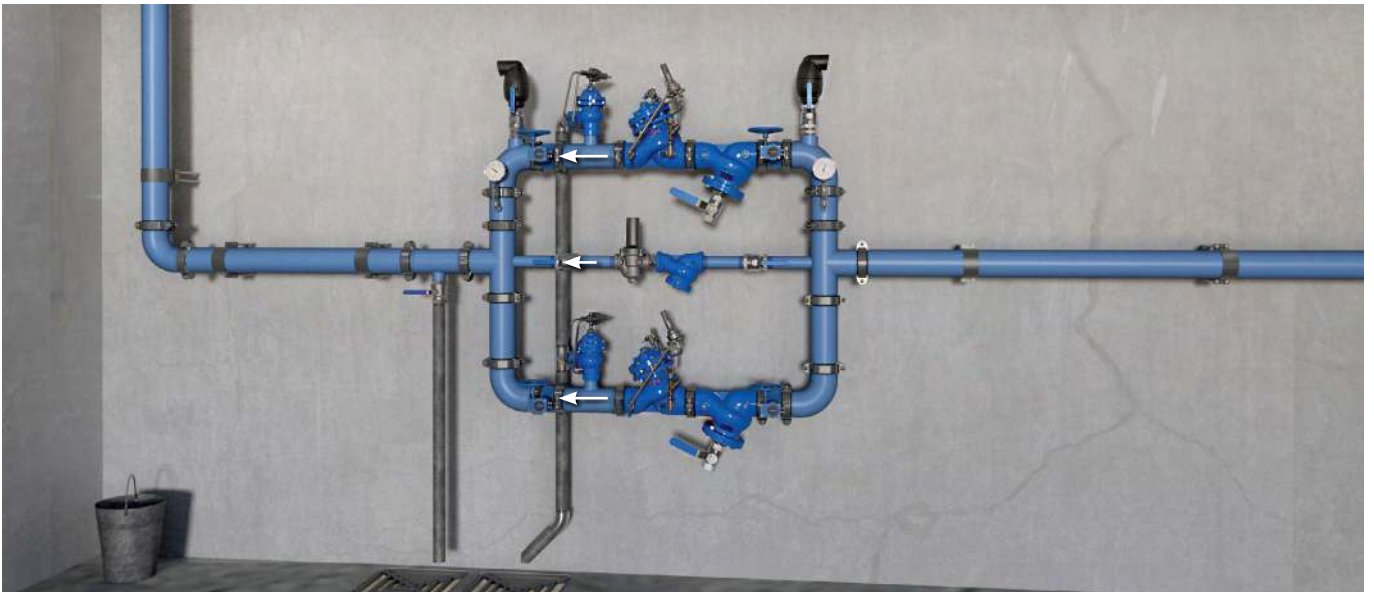


Quick Pressure Relief Valve

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.



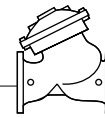
Pressure Reducing Station, featuring BERMAD BC-73Q-P valves to relieve excessive downstream pressure, a redundant, parallel branch to minimize the possibility of total water shut-off and a low flow bypass branch for low demand operation. For information on the other BERMAD products in this system please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

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:



NSF 61/372 USA

WRAS UK

DVGW Germany

ACS France

GOST Russia

BELGAQUA Belgium

AS 5081 Australia

WaterMark Australia

PZH Poland

BULGARCONTROLA Bulgaria

SVGW Switzerland

ISO 9001 - 2008



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How to Order

Please specify the requested valve in the following sequence:

	Size	Model	Scope & compatibility	End Connections & Pressure Rating
Building and Construction	BC	73Q		
		1½"	Potable Water	Up to 250 psi / PN16
		2"	WRAS	Grooved ANSI C606 V1
		2½"	DVGW	Flanged ISO-16 16
		3"	ACS	ABNT16 B6
		4"	GOST	ANSI150 A5
		6"	BELGAQUA P1	JIS-16 J6
		8"	PZH	Threaded BSP BP
		10"	BULGARCONTROLA	NPT NP
		12"	SVGW	
	Larger sizes available on request	NSF 61/372 P2	250-400 psi / PN25	
		AS 5081 P3	Grooved ANSI C606 V2	
		Water Mark P3	Flanged ISO-25 25	
		Unregistered P0	ABNT25 B2	
		Fire Protection	ANSI300 A3	
		UL & FM UF	Threaded BSP PH	
		UL UL	NPT NH	
		FM FM		
		Unregistered F0		
		HVAC		
		Unregistered E0		
		Treated Water		
		Unregistered T0		

