

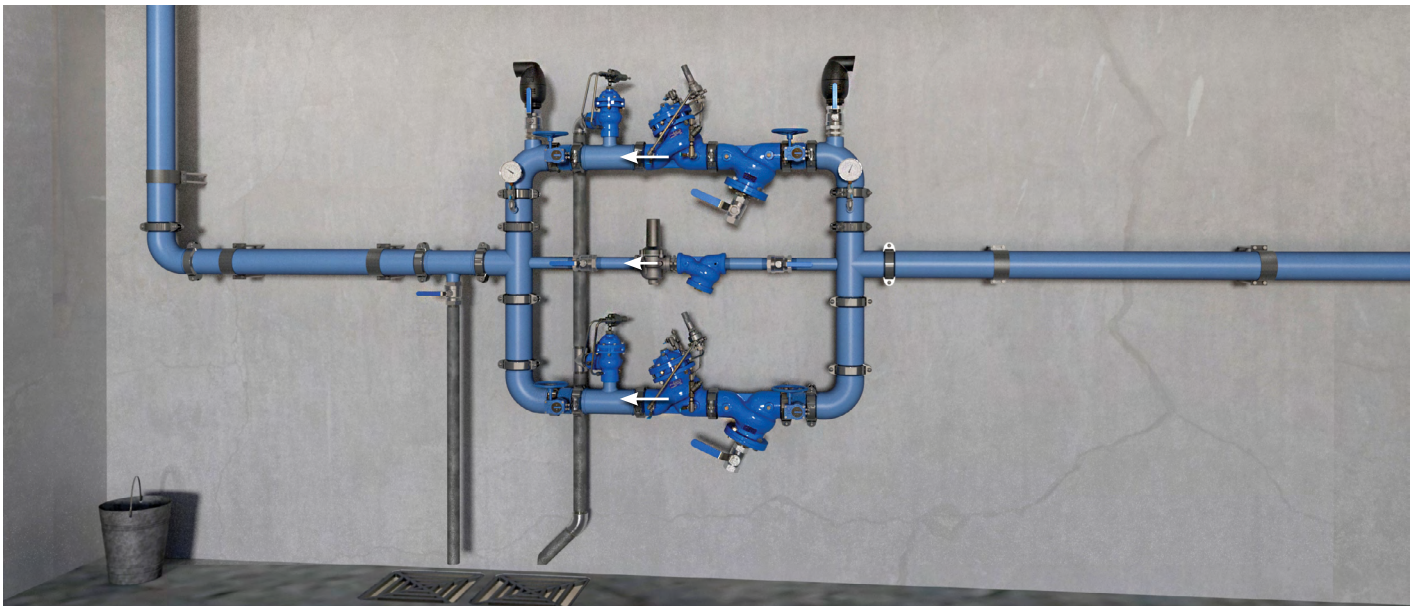
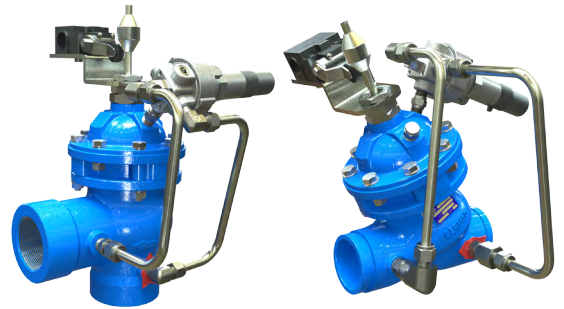


QUICK PRESSURE RELIEF VALVE

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 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
- 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



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 140°F; 60°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 / Bronze and Brass
Tubing & Fittings: Stainless Steel 316 / Copper and Brass / Reinforced Nylon and Brass
Diaphragm: EPDM, Nylon Fabric-Reinforced
O-Rings: EPDM
Seal: NBR
Coating: Blue Fusion bonded epoxy

How to Order

Please Specify the requested valve in the following sequence:

	Size	Model	Approval Group	End Connections & Pressure Rating		
BC		73Q				
Buildings And Construction	1½"	Larger sizes available on request	P1	Potable Water		
	2"			Grooved	ANSI C606	VI
	2½"				BS 1378	VB
	3"			Flanged	ISO-16	16
	4"				ABNT16	B6
	6"				ANSI150	A5
	8"			Threaded	JIS-16	J6
	10"				BSP	BP
	12"			NPT	NP	
					P2	250-400 PSI / PN25
		P3	Grooved	ANSI C606	V2	
		P0	Flanged	BS 1378	VD	
		Unregistered		ISO-25	25	
				ABNT25	B2	
			Threaded	ANSI300	A3	
				BSP	PH	
			NPT	NH		



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