



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



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, POM

Diaphragm: Fabric-reinforced synthetic rubber

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

Please Specify the requested valve in the following sequence:

BERMAD Segment	Size ¹	Model	Series	Approval Group	End Connections & Pressure Rating	
BC	4"	73Q	EN	P1	16	
Buildings & Constructions	Inch mm	Series	Potable Water²	Up to 250 psi / PN16		
	1½" 40	Classic 00	European Standards	P1	Grooved ANSI C606 VI	
	2" 50	Sigma EN EN	NSF 61/372	P2	BS 1387 VB	
	2½" 65	Sigma ES ES	Australia Standards	P3	ISO-16 16	
	3" 80		Unregistered	P0	ABNT16 B6	
	4" 100				ANSI 150 A5	
	6" 150				AST-* S*	
	8" 200				BSP BP	
	10" 250				NPT NP	
	12" 300					
					250-400 psi / PN25	
					Grooved	ANSI C606 V2 BS 1387 VB
				Flanged	ISO-25 Z5 ABNT25 B2 ANSI 300 A3	
				Threaded	BSP PH NPT NH	

Ordering code would be

BC-4"-73Q-EN-P1-16

1. Larger sizes available on request
2. BERMAD complies with a wide range of international potable water standards. Please consult with BERMAD about compliance.



NSF 61/372 USA



Bulgarkontrola Bulgaria



ACS France



GOST Russia



PZH Poland



WRAS UK



Watermark Australia



AS 5081 Australia

Manufactured and Tested According to AWWA C530-12 Requirements

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