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.

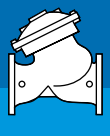
Pressure Reducing Station, featuring BERMAD BC-73Q-P valves to relieve excessive downstream pressure, a redundant, parallel branch to minimize the possibility of total water shut-off and a low flow bypass branch for low demand operation. For information on the other BERMAD products in this system please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

BERMAD Buildings & Construction



700 Series

Potable Water • Pressure Control

Model BC-73Q-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:
Avaliable 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 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**

Ordering code would be

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

Buildings & Constructions

Inch	mm
1½"	40
2"	50
2½"	65
3"	80
4"	100
6"	150
8"	200
10"	250
12"	300

Series	
Classic	**00**
Sigma EN	**EN**
Sigma ES	**ES**

Potable Water[2]	
European Standards	**P1**
NSF 61/372	**P2**
Australia Standards	**P3**
Unregistered	**P0**

Up to 250 psi / PN16		
Grooved	ANSI C606	**VI**
	BS 1378	**VB**
Flanged	ISO-16	**16**
	ABNT16	**B6**
	ANSI 150	**A5**
	AST-*	**S***
Threaded	BSP	**BP**
	NPT	**NP**

250-400 psi / PN25		
Grooved	ANSI C606	**V2**
	BS 1378	**VB**
Flanged	ISO-25	**25**
	ABNT25	**B2**
	ANSI 300	**A3**
Threaded	BSP	**PH**
	NPT	**NH**

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

Additional Configurations & Options

NSF 61/372 USA | Bulgarkontrola Bulgaria | ACS France | GOST Russia | PZH Poland | WRAS UK | Watermark Australia | AS 5081 Australia