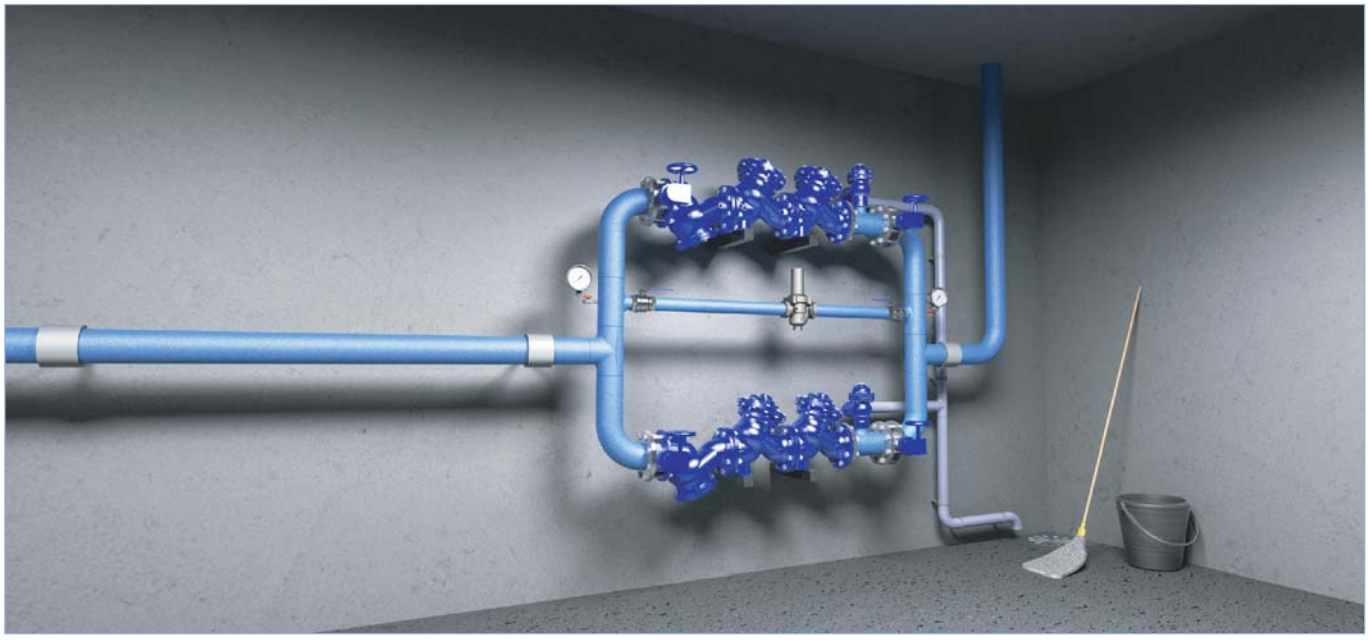
700 Series

Pressure Control

Model WW-73Q-BP

Quick Pressure Relief Valve

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 hydraulically operated globe valves available in either standard oblique (Y) or angle (A) pattern design. They have a full bore hydrodynamic body providing an unobstructed flow path, with a seat assembly and double chamber unitized actuator that can be disassembled from the body as a separate integral unit.



For illustration only

Typical Application

- Burst Protection and protection against the effects of extreme pressure in potable water supply lines in buildings
- Relief of excessive pressure at potable water pumping stations
- Safety valve protecting against high pressure in potable water pressure reduction systems
- Where intensive operation of pressure relief systems is required

BERMAD Construction & Buildings

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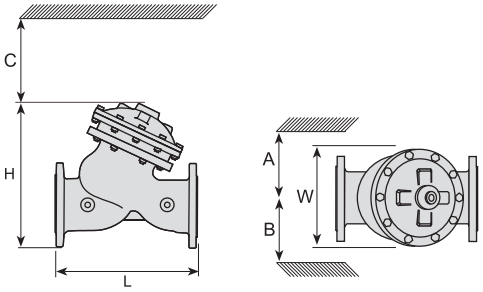
Features and Benefits

- High quality construction materials ensure reliable, resilient and long lasting operation
- Durable design suitable for highly intensive operation
- Full bore valve port area and hydrodynamic body provide unobstructed flow path, with minimal pressure loss, operation noise and low cavitation damage
- Double chamber actuator, fully operational under very low pressure conditions including optional full opening & closing action under zero line pressure; provides smooth, immediate valve response with no hammer effect.
- Near maintenance-free straightforward balanced design including an actuator that can be easily disassembled from the valve body as a separate integral unit for minimal downtime.
- Removable seat assembly offers easy on-site inline maintenance
- 2-way pilot and control loop provide immediate, accurate response to sudden pressure variations
- On-site adjustable pilot allows simple and easy calibration of required pressure level
- System failure indication – visual indication to maintenance personnel of aberrant operation conditions requiring immediate attention
- Durable construction designed to suit systems requiring high pressure and intensive operation

Technical Data

Table		Kv	A, B (mm)	C (mm)	L (mm)	H (mm)	W (mm)	Weight (kg)	
DN	inch							Flanged	Grooved
40	1½"	42	350	180	205	239	155	9.1	n/a
50	2"	50	350	180	210	244	165	10.6	6
65	2½"	55	350	180	222	257	178	13	8
80	3"	116	370	230	250	305	200	22	10
100	4"	200	395	275	320	366	223	37	16
150	6"	460	430	385	410	492	320	75	52
200	8"	815	475	460	599	584	390	125	95



End Connections:

Flanged: ISO PN16, PN25 (ANSI Class 150, 300)
Threaded: ISO-7-Rp or NPT
Others: Available on request
Pressure Rating: 16, 25 bar (230, 362 psi)
Valve Pattern: Y & Angle
Working Temperature: Water up to 80°C (180°F)

Main Construction Materials:

Body, Cover and Actuator: Ductile Iron
Internals: Stainless Steel, Bronze & Coated Steel
Brass control components / accessories
Copper & Brass tubing & fittings
Optional: Stainless Steel 316
Elastomers: NBR Nylon fabric-reinforced
Coating / colour: Electrostatic Polyester Powder Blue
Optional: Epoxy Fusion-Bonded Blue

For other optional materials consult BERMAD

How to Order

Please specify the requested valve in the following sequence:

Size	Model	Category	End Connections		
	73Q	BP			
1½"			Flanged	ISO-16	16
2"				ISO-25	25
2½"				ABNT16	B6
3"				ABNT25	B2
4"				ANSI150	A5
6"				ANSI300	A3
8"				JIS-16	J6
			Threaded	BSP	BP
				NPT	NP
			Grooved	ANSI C606	V1