

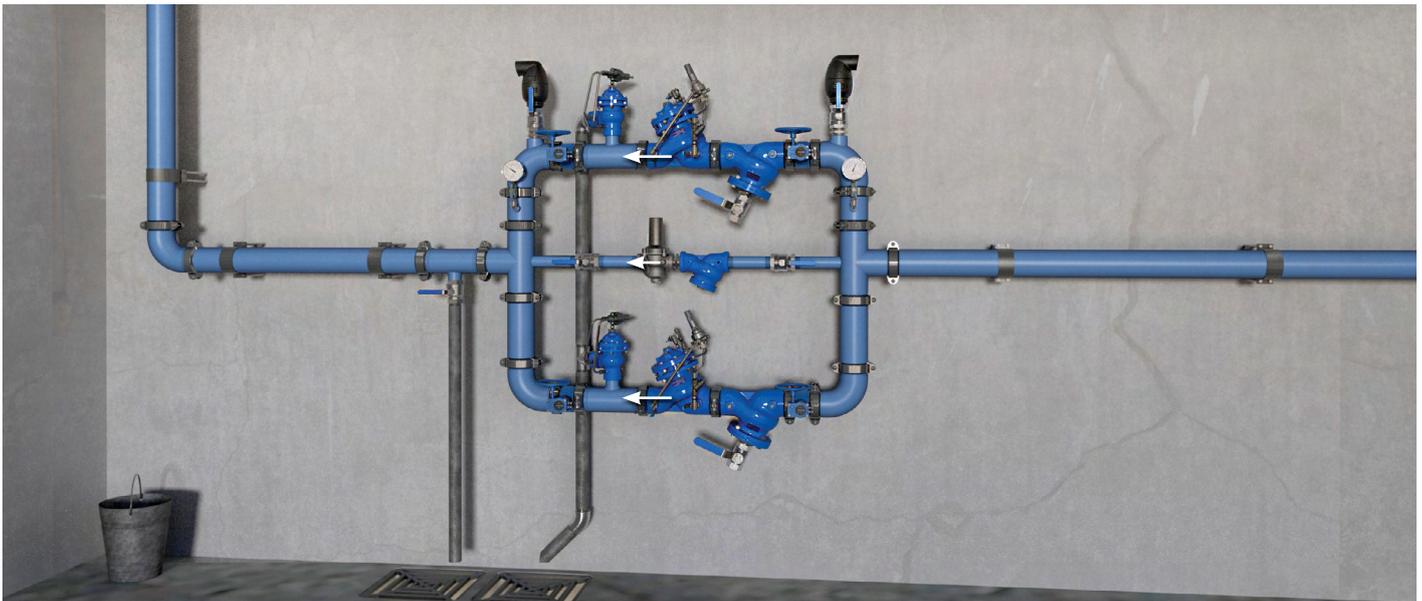


PRESSURE REDUCING VALVE

Model BC-720-P

Hydraulically operated, diaphragm actuated pressure reducing control valve that reduces a high upstream pressure to a lower constant downstream pressure, regardless of fluctuating demand or varying upstream pressure.

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-720-P valves to reduce high incoming pressure to a lower downstream set-point, 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-73Q-P and BERMAD BC-70F-P.

Typical Application

- Reduces pressure for separate pressure zones in hi-rise buildings
- Reduces incoming pressure from municipal water supply



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
- 2-Way Control Loop – Immediate, accurate response to sudden system variations
- Adjustable Pilot – Easy field pressure setting and calibration
- Hydrodynamic Body with Unobstructed Flow Path – Minimal noise and cavitation damage
- Protected Diaphragm – Minimizes chance of damage caused by debris in the pipeline
- V-Port Throttling Plug – Low flow stability

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		720				
Buildings And Construction	1½"	720	P1	Potable Water		
	2"			Grooved	ANSI C606	VI
	2½"				BS 1378	VB
	3"			Flanged	ISO-16	16
	4"				ABNT16	B6
	6"			Threaded	ANSI150	A5
	8"				JIS-16	J6
	10"			Threaded	BSP	BP
	12"				NPT	NP
	Larger sizes available on request					250-400 PSI / PN25
	Grooved	ANSI C606	V2			
		BS 1378	VD			
		ISO-25	25			
	Flanged	ABNT25	B2			
		ANSI300	A3			
	Threaded	BSP	PH			
		NPT	NH			
			P2			
			P3			
			P0			

