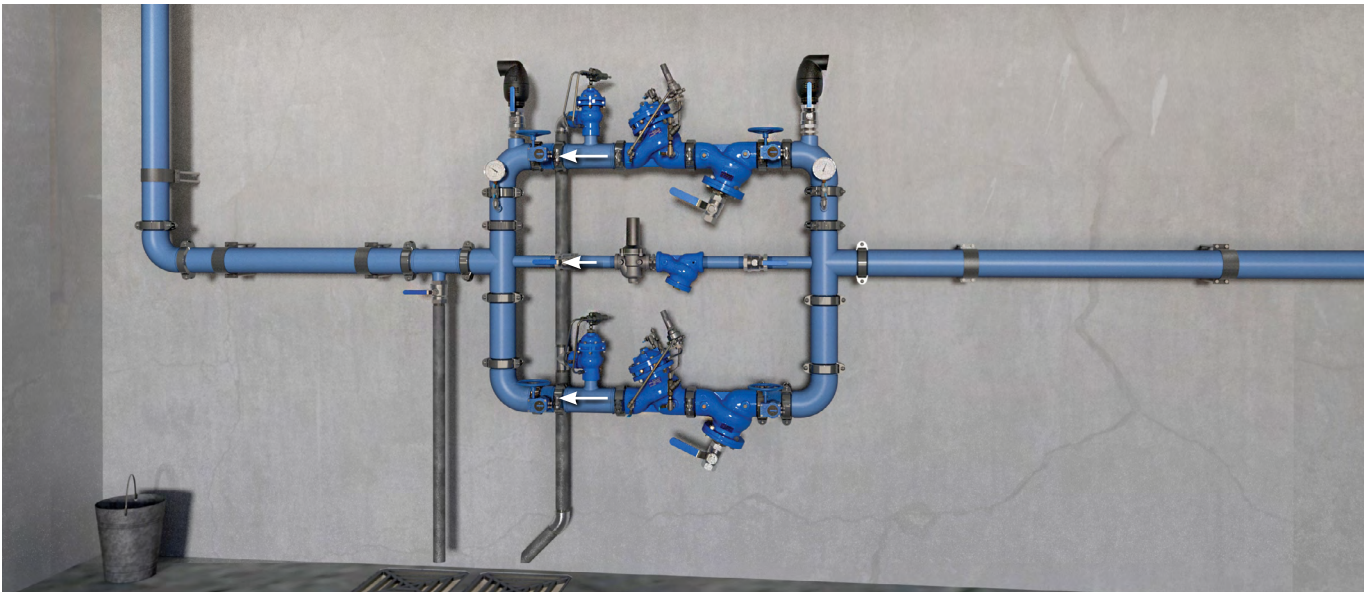


Pressure Reducing Valve

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.

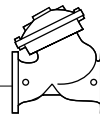


Pressure Reducing Station, featuring BERMAD BC-720-P valves to reduce high incoming pressure to a lower downstream set-point, a redundant, parallel branch to minimize the possibility of total water shut-off and a low flow bypass branch for low demand operation. For information on the other BERMAD products 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

All images in this catalog are for illustration only



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 180°F; 80°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

OR Bronze and Brass

Tubing & Fittings: Stainless Steel 316

OR Copper and Brass

OR Reinforced Nylon and Brass

Diaphragm: EPDM, Nylon Fabric-Reinforced

O-Rings: EPDM

Seal: NBR

Coating: Fusion Bonded Epoxy, RAL 5017 (Blue)

How to Order

Please specify the requested valve in the following sequence:

Size	Model	Scope & compatibility	End Connections & Pressure Rating
BC	720		
Building and Construction	1½"	Potable Water	Up to 250 psi / PN16
	2"	WRAS	Grooved ANSI C606 V1
	2½"	DVGW	Flanged ISO-16 16
	3"	ACS	ABNT16 B6
	4"	GOST	ANSI150 A5
	6"	BELGAQUA	JIS-16 J6
	8"	PZH	Threaded BSP BP
	10"	BULGARCONTROLA	NPT NP
	12"	SVGW	
	Larger sizes available on request	NSF 61/372 P2	250-400 psi / PN25
		AS 5081 P3	Grooved ANSI C606 V2
		WATER MARK P0	Flanged ISO-25 25
		Unregistered	ABNT25 B2
			ANSI300 A3
		Fire Protection	Threaded BSP PH
		UL & FM UF	NPT NH
		UL UL	
		FM FM	
		Unregistered F0	
		HVAC	
		Unregistered E0	
		Treated Water	
		Unregistered T0	

For other optional materials consult BERMAD

For Dimensions & Weights, IOM and more other detailed engineering data, visit the Series Engineering Documentation or the Downloads Center on the [BERMAD website](http://www.bermad.com)

Drinking Water Standards, Approvals & Certification:

