



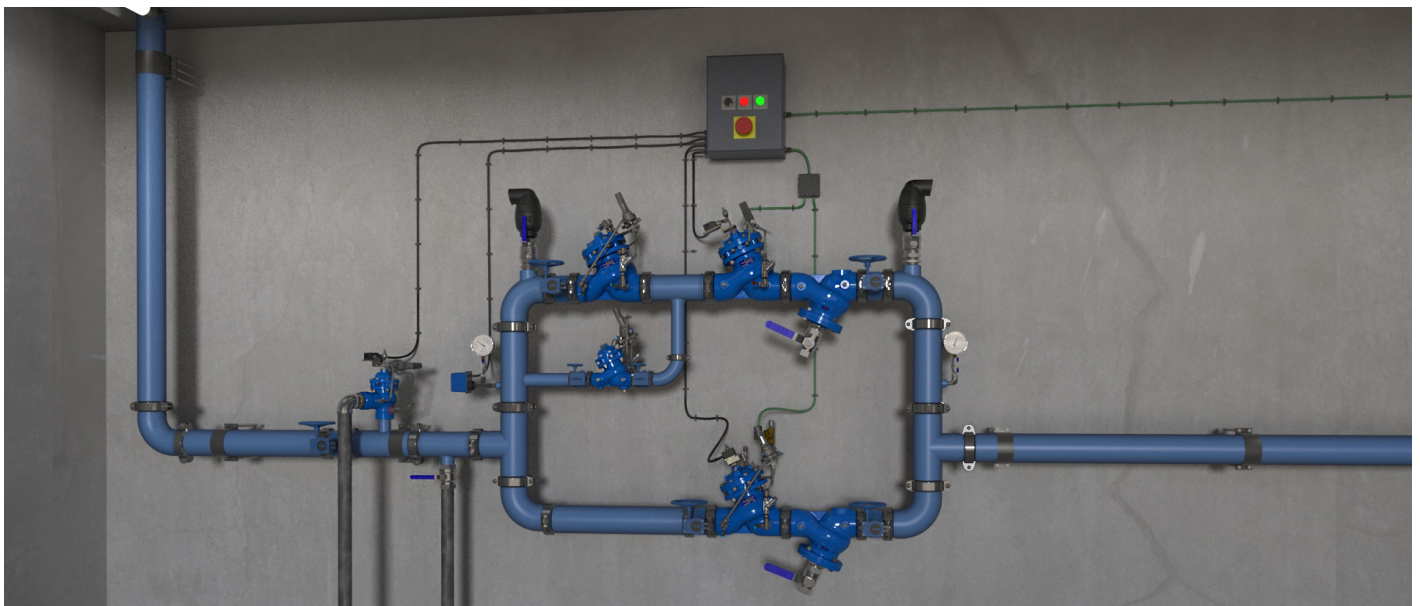
PRESSURE REDUCING VALVE

with Solenoid Control

Model BC-720-55-P

Hydraulically operated, diaphragm actuated Pressure Reducing Valve with Solenoid Control that reduces higher upstream pressure to lower constant downstream pressure regardless of fluctuating demand or varying upstream pressure. The valve opens and shuts off in response to an electric signal.

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 with Block Valve and Automatic Backup. In case of abnormal pressure rise detected by the PS the system switches

automatically between the active branch and the backup branch and an indication is sent to the BMS.

Typical Application

- Switching between "on-duty" valves in pressure reducing systems
- Routing flow to priority or emergency system branches
- Pressure zone isolation



Features and Benefits

- High Quality Construction Materials – Reliable, resilient and long lasting operation
- Advanced design – easily connected to building command and control systems
- In-Line Serviceable – Quick and easy maintenance and service
- 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

* For other optional material consult BERMAD

How to Order

Please Specify the requested valve in the following sequence:

	Size	Model	Approval Group	End Connections & Pressure Rating			Solenoid			
BC		720-55								
Buildings And Construction	1½"									
	2"									
	2½"									
	3"									
	4"									
	6"									
	8"									
	10"									
	12"									
	Larger sizes available on request									



NSF 61/372
USA



WRAS
UK



DVGW
Germany



ACS
France



GOST
Russia



BELGAQUA
Belgium



AS 5081
Australia



Watermark
Australia



PZH
Poland



Bulgarcontrola
Bulgaria



SVGW
Switzerland



ISO 9001 - 2008