

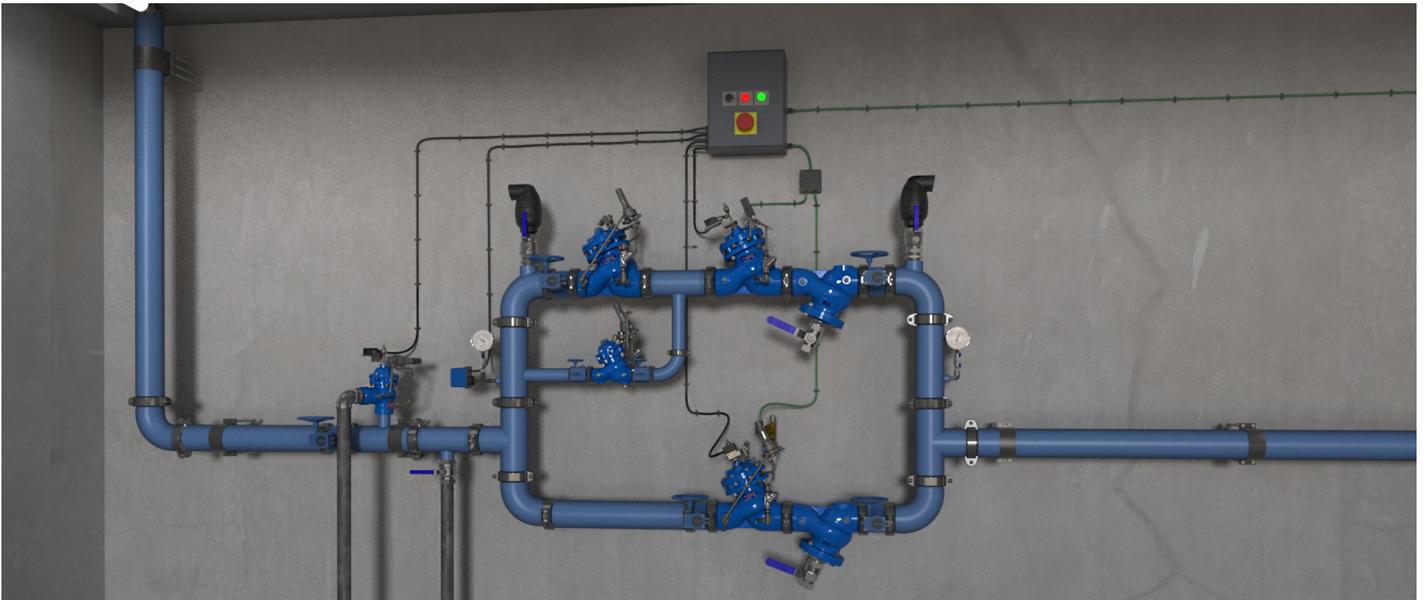


## SOLENOID CONTROLLED VALVE

### Model BC-710-P

Hydraulically operated, diaphragm actuated solenoid controlled valve that either opens fully or shuts off in response to an electric signal. It is available in several variations including Normally Open (NO), Normally Closed (NC) or Last Position (LP).

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

- Serves as a safety block valve in PRV stations and in tank filling systems
- Routing flow to priority or emergency system branches
- Saving energy by switching between direct city supply and the local pumping station (controlled by an external control regime)
- Ensuring adequate refreshing of water reservoirs



## Features and Benefits

- 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.
- 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
- Hydrodynamic Body with Unobstructed Flow Path – Minimal noise and cavitation damage
- Protected Diaphragm – Minimizes chance of damage caused by debris in the pipeline

## 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:

BC	Size	Model	Approval Group	End Connections & Pressure Rating	Solenoid			
BC		710						
Buildings And Construction	1½" 2" 2½" 3" 4" 6" 8" 10" 12"  Larger sizes available on request		Potable Water	Up to 250 PSI / PN16	Solenoid Configuration			
			P1	Grooved	WRAS	ANSI C606	VI	24V Normally Closed* AC 50HZ AC 60HZ DC Normally Open* AC 50HZ AC 60HZ DC
					DVGW	BS 1378	VB	
					ACS	ISO-16	16	
				Flanged	GOST	ABNT16	B6	
					BELGAQUA	ANSI150	A5	
					PZH	JIS-16	J6	
			Threaded	BULGARCONTROLA	BSP	BP	*Valve Position when Solenoid is De-Energized **Other voltage available	
				SVGW	NPT	NP		
				NSF 61/372	250-400 PSI / PN25			
			P2	Grooved	AS 5081	ANSI C606	V2	
					WATER MARK	BS 1378	VD	
Unregistered	ISO-25	25						
Flanged		ABNT25		B2				
		ANSI300		A3				
	Threaded	BSP		PH				
		NPT	NH					

