

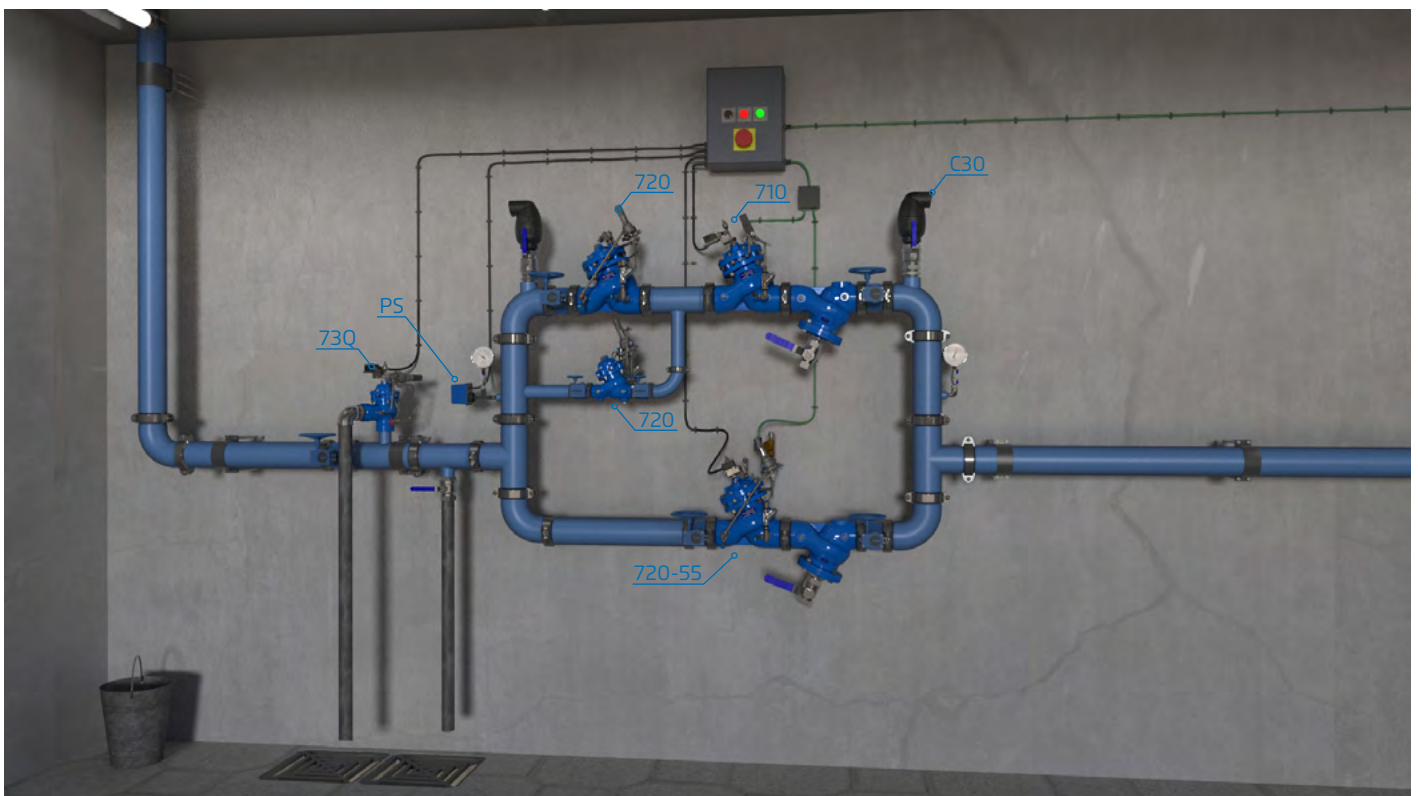


## SOLENOID CONTROLLED VALVE

### Model 710

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 hydraulic, oblique pattern, globe valves with double chamber unitized actuator, that can be disassembled from the body as a separate integral unit. The valves hydrodynamic body is designed for unobstructed flow path and provides excellent and highly effective modulation capacity for high differential pressure applications.



Pressure Reducing Station with Block Valve with Solenoid Control [710] and Automatic Backup PRV [720-55]. In case of abnormal pressure rise detected by the Pressure Switch [PS] the system close

the Block Valve [710] automatically, opens the back-up PRV [720-55] 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

- 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
- 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

### General:

#### End connections:

Grooved / Flanged / Threaded

**Pressure Rating:** 400 psi; PN25

**Valve Pattern:** Y (Oblique) / Angle

#### Working Temperature:

Cold Water up to 140°F; 60°C

**Optional Higher Temperatures:**

Available on request

### Main Valve Materials:

#### Body, Cover and Partition:

**Standard:** Ductile Iron

**Optional:** Stainless Steel 316

**Seat:** Stainless Steel

#### Internals:

Stainless Steel, Tin Bronze & Coated Steel, POM

**Diaphragm:** Fabric-reinforced synthetic rubber

**Seals:** Synthetic rubber

**Coating:** Blue Fusion bonded epoxy

### Control Trim Materials:

#### Control Accessories:

Stainless Steel / Bronze & Brass

**Tubing:** Stainless Steel / Copper

**Fittings:** Stainless Steel / Brass

#### Solenoid:

**Body:** Stainless Steel / Brass

**Elastomers:** Synthetic Rubber

**Enclosure:** Molded Epoxy

\* For other optional material consult BERMAD.

\*\* Materials may vary according to sanitary standard.

## How To Order

Please Specify the requested valve in the following sequence:

**BC - 2" - 710 - 00 - P2 - Y - C** - **VI** - **EB** - **4AC** - **NN** - **N**

Segment	Model	End Connection	Standard	Code	Coating	Code	Additional Attributes (Multiple Options Permitted)	Code		
BC	710	Up to 250 psi / PN16	ANSI C606	VI	Epoxy Blue	EB	V-Port Throttling Plug	V		
Size	Series	Grooved	BS 1387	VB	Epoxy Blue with UV Protection	EV	Valve Position Indicator	I		
			ISO-16	16			Limit Switch	S		
			ABNT16	B6			Flow Stem	M		
1 1/2" DN40	Classic	Flanged (Other standards available)	ANSI 150	A5	Uncoated	UC	Double Chamber (Active)	B		
			AST-*	S*			3-Way Control	X		
			BSPT	BP			<b>St.St. 316 All Control Accessories</b>	<b>N</b>		
2" DN50	Sigma EN	Threaded	NPT	NP	No Solenoid	000	Pressure Gauge	6		
			250-400 psi / PN25	Grooved			ANSI C606	V2	24VAC/50Hz	4A
							BS 1387	VD	24VAC/60Hz	46
3" DN80	Sigma ES	Flanged (Other standards available)	ISO-25	25	24VDC	4D	Orifice Assembly	U		
			ANSI 300	A3	220VAC/50-60Hz	2A	Large Control Filter	F		
4" DN100	Potable water Compatibility	Threaded	BSPT	PH	220VDC	2D	In Line Filter	C		
			NPT	NH	110VAC/50-60Hz	5A	Manual Selector	Z		
6" DN150	Approved	Grooved	ANSI 300	A3	110VDC	5D	<b>Tubings &amp; Fittings</b>	<b>Code</b>		
			Unregistered	P0	12VDC	1D	Copper Tubing & Brass Fittings	CB		
8" DN200	Orientation	Flanged (Other standards available)	ANSI 316	316	Normally Closed	C	Stainless Tubing & Fittings	NN		
			Y Oblique	Y			Normally Open	O		
10" DN250	Y Oblique	Threaded	ANSI 316	316	Last Position	P				
			Angle	A	Last Solenoid	S				
12" DN300	Construction Material	Grooved	Ductile Iron	C						
			Stainless Steel 316	N						



NSF 61/372 USA



Bulgarkontrola Bulgaria



ACS France



GOST Russia



PZH Poland



WRAS UK



Watermark Australia



AS 5081 Australia

Manufactured and Tested According to AWWA C530-12 Requirements

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