

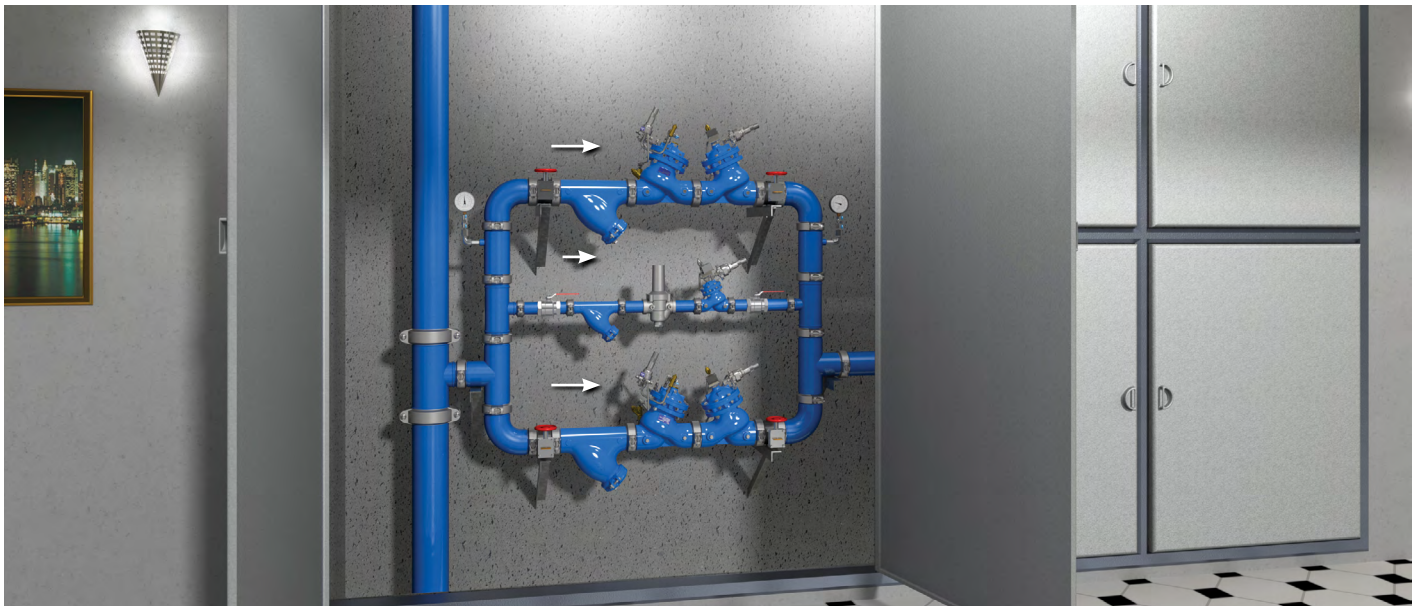


EXCESSIVE PRESSURE SHUT-OFF VALVE

Model BC-794-P

Hydraulically operated, diaphragm actuated shut-off valve that closes drip tight when inlet pressure rises above a pre-set value. It responds immediately, accurately, and with high repeatability to a rise in system pressure by closing fully and triggering an alarm.

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-794-P valves to prevent high pressure from reaching consumers, 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-720-P and BERMAD BC-70F-P.

Typical Application

- Closes to provide protection from pressure rise due to malfunctioning PRV
- Provides safety for systems designed with Pressure Reducing Stations featuring redundant branches
- Where operation of a pressure relief valve must be avoided

Note: When closed, the BERMAD BC-794-P vents water to atmosphere. It is recommended that drainage be taken into consideration during design and installation.

Note: The BERMAD BC-794-P should be used in systems with redundant branches to prevent total water shut-off. For single line systems, consider the BERMAD BC-72S-H-P or the BERMAD BC-73Q-P



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
- 2-Way Control Loop – Immediate, accurate response to sudden system variations
- Adjustable Pilot – Easy field pressure setting and calibration
- System Failure Indication – Immediate notification to maintenance personnel

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		794				
Buildings And Construction	1½" 2" 2½" 3" 4" 6" 8" 10" 12" Larger sizes available on request	Potable Water		Up to 250 PSI / PN16		
		WRAS	P1	Grooved	ANSI C606	V1
		DVGW			BS 1378	VB
		ACS		Flanged	ISO-16	16
		GOST			ABNT16	B6
		BELGAQUA		Threaded	ANSI150	A5
		PZH			JIS-16	J6
		BULGARCONTROLA	P2	BSP	BP	
		SVGW		NPT	NP	
		NSF 61/372	P3	250-400 PSI / PN25		
		AS 5081		Grooved	ANSI C606	V2
		WATER MARK			BS 1378	VD
Unregistered	Flanged	ISO-25		25		
		ABNT25		B2		
	Threaded	ANSI300		A3		
		BSP	PH			
	NPT		NH			



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