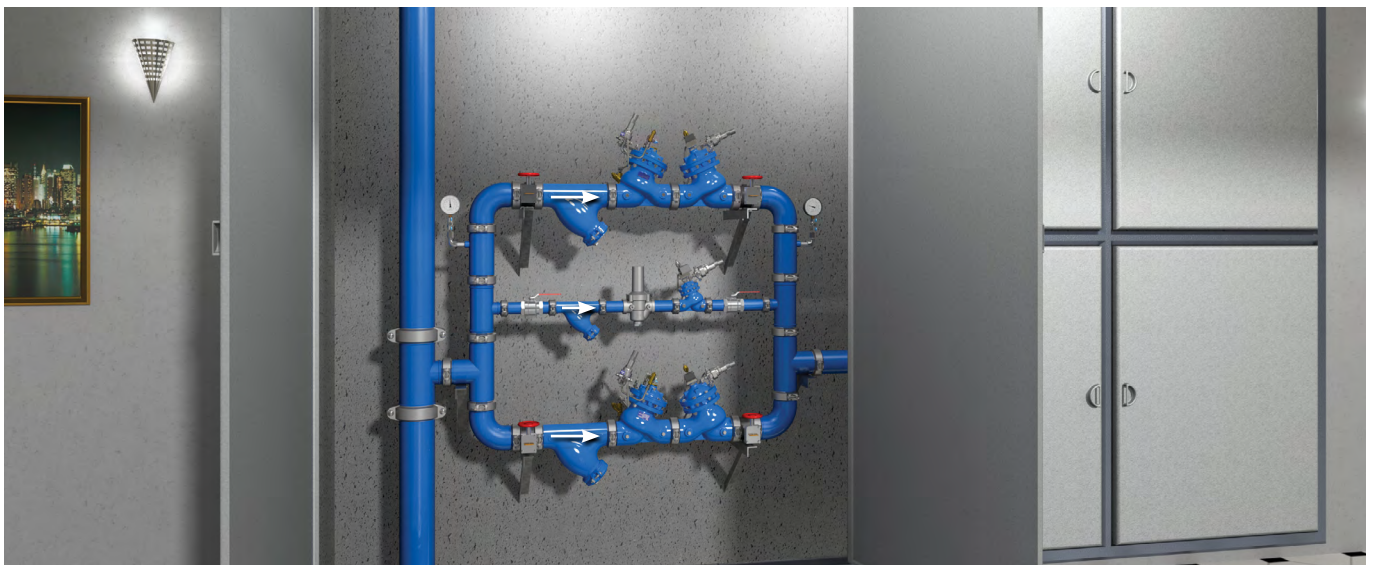


Excessive Pressure Shut-Off Valve

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.



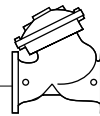
Pressure Reducing Station, featuring BERMAD BC-794-P valves to prevent high pressure from reaching consumers, a redundant, parallel branch to minimize the possibility of total water shut-off and a low flow bypass branch for low demand operation. For information on the other BERMAD products in this system 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 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		794		
Building and Construction	1½"		Potable Water	Up to 250 psi / PN16
	2"		WRAS	Grooved ANSI C606 VI
	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:



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