



700 Series

Pressure & Pump

Model FP-760-BF

Hydraulic Non-Slam Check Valve with Opening & Closing Speed Control

Hydraulically operated, diaphragm actuated, double chambered Non-Slam Check Valve. During system flow, when upstream pressure exceeds downstream pressure, the valve is fully open. When pressure conditions reverse, the valve shuts off drip tight preventing back flow. Both the valve's opening and closing speeds are controllable and on-site adjustable.

BERMAD 700 series valves are hydraulically operated globe valves available in either standard oblique (Y) or angle (A) pattern design. They have a full bore hydrodynamic body providing an unobstructed flow path, with a seat assembly and double chamber unitized actuator that can be disassembled from the body as a separate integral unit.



For illustration only

Typical Application

- Downstream of each high pressure pump in fire protection systems requiring reverse flow prevention
- In fire protection pumping stations where smooth start/stop operation is required (Jokey and main hydrant pumps)
- In fire protection pumping stations operating fix speed pumps
- In installations where flow indicators are required at the check valves, e.g. pumps no-flow protection or branch operation indicators
- In non regular installation sites with vertical or horizontal lines providing upward or downward flows



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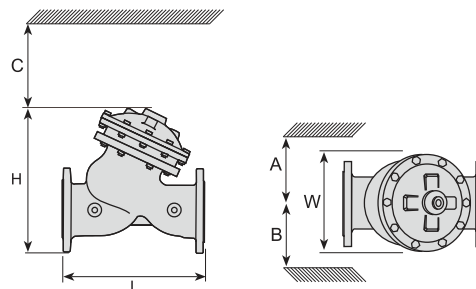
Model FP-760-BF

Features and Benefits

- High quality construction materials ensure reliable, resilient and long lasting operation
- Durable design suitable for highly intensive operation
- Full bore valve port area and hydrodynamic body provide unobstructed flow path, with minimal pressure loss, operation noise and low cavitation damage
- 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.
- Near maintenance-free straightforward balanced design including an actuator that can be easily disassembled from the valve body as a separate integral unit for minimal downtime.
- Opening and closing speed control
- The operation of the valve is gradual and smooth with no pipeline vibrations
- Reduces potential surge damage
- Prolongs the system's life span

Technical Data

Table		Kv	A, B (mm)	C (mm)	L (mm)	H (mm)	W (mm)	Weight (kg)	
DN	inch							Flanged	Grooved
40	1½"	42	350	180	205	239	155	9.1	n/a
50	2"	50	350	180	210	244	165	10.6	6
65	2½"	55	350	180	222	257	178	13	8
80	3"	116	370	230	250	305	200	22	10
100	4"	200	395	275	320	366	223	37	16
150	6"	460	430	385	410	492	320	75	52
200	8"	815	475	460	599	584	390	125	95



End Connections:

Grooved: ANSI/AWWA C606

Flanged: ANSI B16.42 (Ductile Iron), ISO PN16 or PN25

Pressure Rating: 230, 362 psi (16,25 bar)

Valve Pattern: Y & Angle

Water Temperature: Water up to 80°C (180°F)

Main Construction Materials:

Body, cover & Actuator: Body & Actuator: Ductile Iron

Internals: Stainless Steel, Bronze & coated Steel

Control Trim: System Brass control components / accessories

Copper & Brass tubing & fittings

Optional: Stainless Steel 316

Elastomers: NBR Nylon fabric-reinforced

Coating / colour: Electrostatic Powder Coating Polyester Red

How to Order

Please specify the requested valve in the following sequence:

Size	Model	Category	End Connections
1½"	760	BF	Flanged ISO-16 16
2"			ISO-25 25
2½"			ABNT16 B6
3"			ABNT25 B2
4"			ANSI150 A5
6"			ANSI300 A3
8"			JIS-16 J6
			Threaded BSP BP
			NPT NP
			Grooved ANSI C606 V1

For other optional materials consult BERMAD



For full technical specifications, see Engineering section or consult BERMAD

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