

700 Series

Pressure & Pump

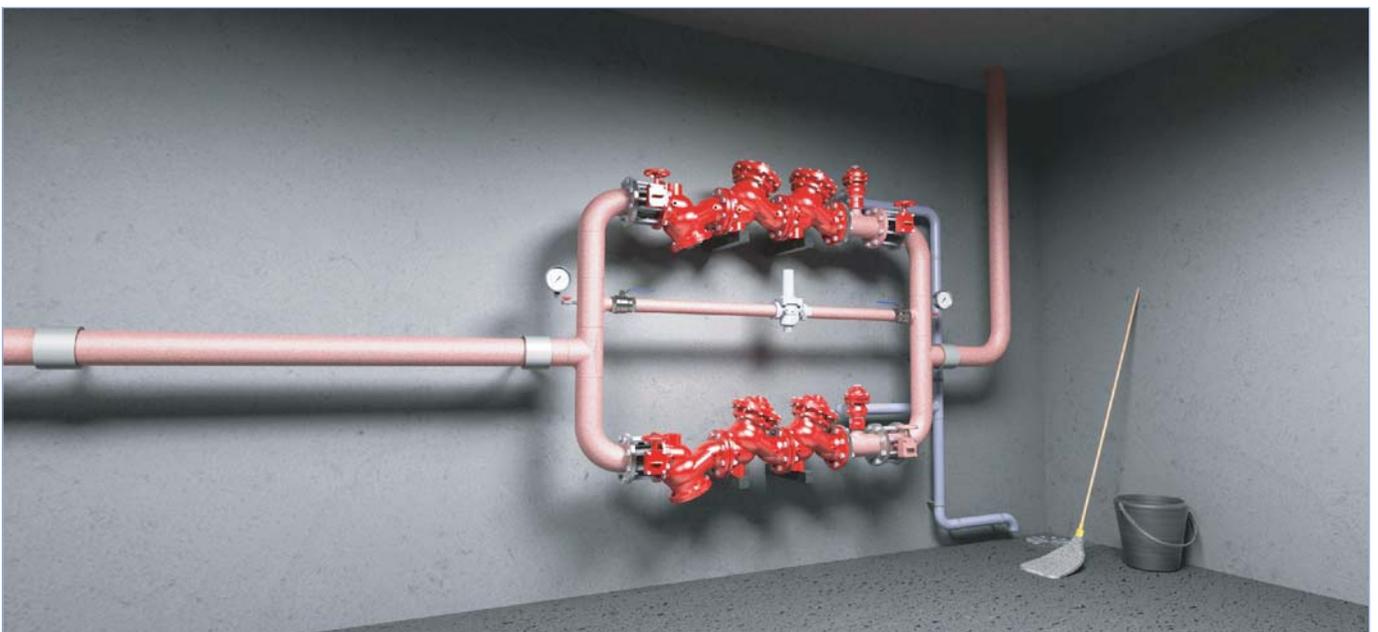
Model FP-720-UL

Pressure Reducing Valve

Hydraulically operated pressure reducing control valve that reduces higher upstream pressure to lower constant downstream pressure, regardless of fluctuating demand or varying upstream pressure. BERMAD 700 series valves are hydraulically operated globe valves in either standard oblique (Y) or angle (A) pattern design with full bore hydrodynamic body for unobstructed flow path, seat assembly and double-chamber unitized actuator that can be disassembled from the body as an integral unit.



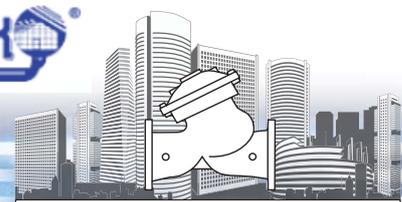
UL LISTED



For illustration only

Typical Application

- Pressure control of fire protection water supply lines in buildings; UL approved sprinkler systems, hydrants and fire hoses.
- Pressure protection of sprinkler systems, hydrants and fire hoses in parking areas, basements and other lower zones in buildings, where these systems are exposed to excessive pressure.
- Pressure reduction of hydrants' supply lines feeding from high pressure sprinkler systems.



700 Series

Pressure & Pump

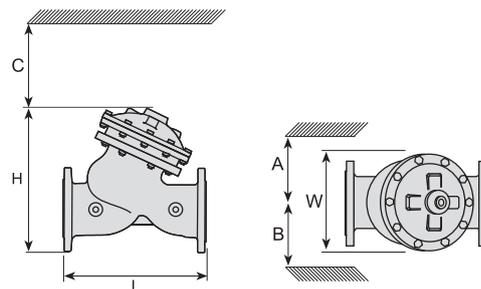
Model FP-720-UL

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.
- Removable seat assembly offers easy on-site inline maintenance
- 2-way pilot and control loop that continuously sense downstream pressure and immediately control the valve accordingly, providing stable, reliable and accurate pressure modulation under a wide range of flow-rate and pressure conditions
- Pressure modulation by the hydraulic force of the line pressure – no external power source needed
- Pilot and control loop constructed from heavy duty environment friendly materials provide long lasting and reliable operation

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

Threaded: ISO-7-Rp or NPT for 2, 2½ & 3"

Pressure Rating: UL-Listed 2 - 6": 300 psi (21 bar), 8" to: 175 psi (12 bar, Max. for Grooved ends: 400 psi (28 bar)

Valve Pattern: Y& Angle

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

Main Construction Materials:

Body, cover & Actuator: Ductile Iron ASTM A-536

Internals: Stainless Steel & Elastomer

Control Trim System: Brass control components / accessories
Copper & Brass tubing & fittings

Optional: Stainless Steel 316

Elastomers: Polyamide fabric reinforced Polyisoprene, NR

Coating / colour: Electrostatic Powder Coating Polyester Red

How to Order

Please specify the requested valve in the following sequence:

Size	Model	Category	End Connections
<input type="text"/> ↓ 1½" 2" 2½" 3" 4" 6" 8"	720-UL	BF	<input type="text"/> ↓ Flanged ISO-16 16 ISO-25 25 ABNT16 B6 ABNT25 B2 ANSI150 A5 ANSI300 A3 JIS-16 J6 Threaded BSP BP NPT NP Grooved ANSI C606 V1

For other optional materials consult BERMAD



Trädgårdsteknik AB
Helsingborgsvägen 578
262 96 ÄNGELHOLM
Telefon: 0431-222 90
Telefax: 0431-222 70
info@tradgardsteknik.se
www.tradgardsteknik.se
