

28" (700 mm) - 700 Series Hydraulic Control Valve

Based on BERMAD's worldwide and long-term experience with the latest mechanical and hydraulic design technology.



Description

BERMAD's 28", 700 Series Control Valve is a hydraulically operated, diaphragm actuated globe pattern valve. The valve is comprised of two major components: The body/seat assembly and the actuator assembly.

The actuator assembly is unitized and removable from the body as a single unit. It contains both a lower and upper control-chamber and can be converted to either a single chamber or double-chambered actuator to optimized the required control function.

The diaphragm sub-assembly in both single and double chamber versions is top and center guided providing a seat area with no obstructions.

Features and Benefits

- Globe pattern wide body with semi-straight flow
 - Higher flow (Kv; Cv) than standard globe pattern
 - Higher resistance to cavitation damage
- Double-chambered actuator as standard
 - Fast opening and non-slam closing characteristic
 - Reliable drip-tight seal
 - Wide range of control function
 - Accurate control
 - Application flexibility even after installation
 - Independent cushioned action check-valve
- Easy access design
 - In-line serviceable
 - Quick-remove actuator (minimal down-time)
 - On-site & in-line replaceable seat
- Wide range of options and accessories
 - One-way or two-way flow configuration
 - Wide variety of control accessories easily added on-site



28" Control Valve

By combining the basic valve, as a platform, with appropriate self-contained control loops added, a wide range of valve categories can be obtained:

- Electric and hydraulic remote-control valve
- Pressure-reducing valve
- Pressure-sustaining relief valve
- Pump control valve
- Tank level control Valve
- Check valve
- Flow-rate valve
- Combination models

Technical Data:

Pressure Rating and Flanges:

ISO PN 16, PN 25
ANSI #150, #300

Materials:

Valve Body and Actuator: Ductile iron
Inner Trim: Stainless Steel
Diaphragm: Buna N, Nylon fabric reinforced
Seals: Buna N

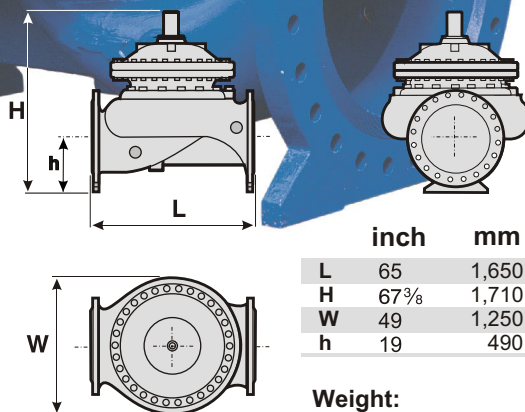
Temperature Rating:

Water, up to 180°F (80°C)

Control Chamber Displacement:

26 Gallons (98 Liters)

Dimensions:

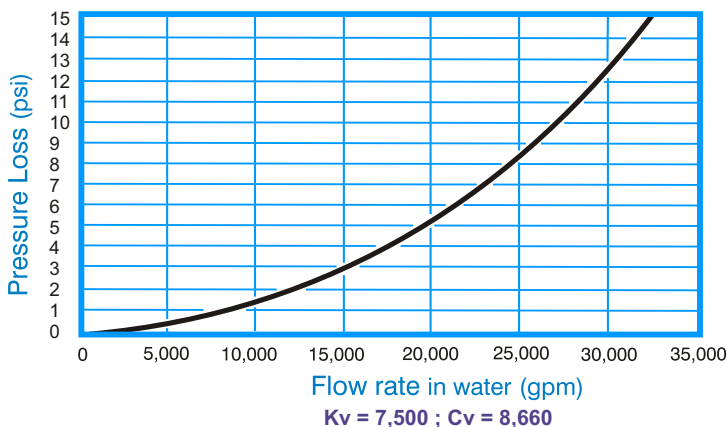


	inch	mm
L	65	1,650
H	67 ³ / ₈	1,710
W	49	1,250
h	19	490

Weight:

8,140 lb
3,700 kg

Flow Chart



Kv ; Cv to Valve Opening Chart

