BERMAD Buildings & Construction

Potable Water • Pressure Control



700 Series Model 730

PRESSURE RELIEF / SUSTAINING VALVE

Model 730

Pressure relief/sustaining hydraulically operated control valve that can fulfill either of two separate functions: When installed in-line, it sustains minimum pre-set, upstream (back) pressure regardless of fluctuating flow or varying downstream pressure. When installed as a "branched from the line" circulation valve it relieves excessive line pressure when above maximum pre-set.

BERMAD 700 series valves are hydraulic, oblique pattern, globe valves with double chamber unitized actuator, that can be disassembled from the body as a separate integral unit. The valves hydrodynamic body is designed for unobstructed flow path and provides excellent and highly effective modulation capacity for high differential pressure applications.





The BERMAD 730 As a pressure sustaining valve that recycles water back to the reservoir at stagnate pump operation, it will remain close when raiser pressure is normal. In an event where the pump works at low flows and high head, the 730 will open to allow sufficient water circulation and pump cooling. Also featured is the 740 Active-

Check Valve that coordinates start / stop functions simultaneously with the pump controller and the 735-55 Surge Anticipating Valve; Will pre-active electrically open to relieve spikes in excess pressure case of power failure and surges.

Typical Application

- Protection from the effects of bursts and extreme pressure in buildings potable water systems
- Pressure sustaining control of buildings reservoir filling systems such as: basement, roof-top, pressure breaking and emergency tanks, where the supply line also feeds additional high priority
- As a safety device for pumping stations temporarily operated out of their regular regime, where stable and constant pressure relief is required
- High pressure safety relief valve in potable water pressure reduction systems

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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
- 2-Way Control Loop Immediate, accurate response to sudden system variations
- Adjustable Pilot Easy field pressure setting and calibration
- Protected Diaphragm Minimizes chance of damage caused by debris in the pipeline

Technical Data General:

End connections:

Grooved / Flanged / Threaded Pressure Rating: 400 psi; PN25 Valve Pattern: Y (Oblique) / Angle Working Temperature:

Cold Water up to 140°F; 60°C Optional Higher Temperatures:

Available on request

Main Valve Materials:

Body, Cover and Partition:

Standard: Ductile Iron Optional: Stainless Steel 316

Seat: Stainless Steel

Internals:

Stainless Steel, Tin Bronze & Coated Steel,

Diaphragm: Fabric-reinforced synthetic

rubber

Seals: Synthetic rubber

Coating: Blue Fusion bonded epoxy

Control Trim Materials:

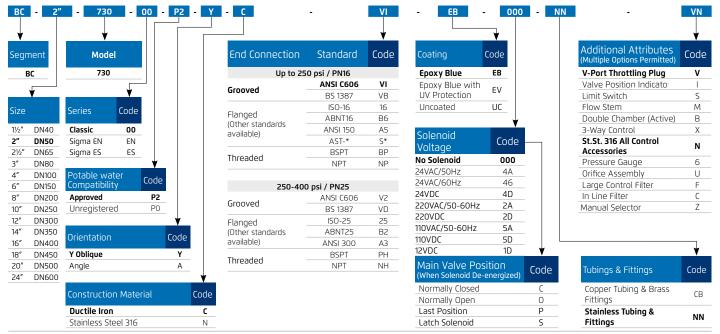
Control Accessories:

Stainless Steel / Bronze & Brass **Tubing:** Stainless Steel / Copper Fittings: Stainless Steel / Brass

- For other optional material consult BERMAD
- ** Materials may vary according to sanitary standard.

How To Order

Please Specify the requested valve in the following sequence:



















DVGW

Germany

Manufactured and Tested According to AWWA C530-12 Requirements

NSF 61/372 USA

Bulgarkontrola Bulgaria

France

GOST Russia Poland

WRAS UK

Watermark Australia

AS 5081 Australia