

VALVE DETAILS

- > Bray Series 740 Bidirectional Knife Gate Valve or approved equal.

BODY

- > Shall be single-piece, fully lugged, MSS SP-81 face-to-face.
- > Standard multi-layer square packing provides exceptional gland sealing. Optional energized quad seal packing for enhanced gland sealing.
- > Unrestricted flow path with minimal pressure drop achieved through full port valve design.
- > Shall include topworks designed for easy, quick conversion between manual and pneumatic actuation.
- > Chest liner for sizes up to 12" and PTFE anti- extrusion ring for sizes 14" and up.

SEAT

- > Mechanically and geometrically retained steel reinforced elastomer seat ensures bidirectional zero leakage shutoff.

GATE

- > Gate design ensures consistent alignment throughout the length of the stroke.

STEM & CLEVIS

- > Clevis design and horizontal bolting stabilizes gate ensuring proper alignment.

PRESSURE RATINGS

- > Bi-Directional
- > 2" – 24" 150 psi
- > 30" – 36" 100 psi

APPROVALS AND CERTIFICATIONS

- > CRN
- > PED – Category I Module A
- > AWWA C520

OPERATORS

- > Hand Wheel
- > Bevel Gear
- > Electric
- > Pneumatic
- > Hydraulic

TESTING

- > Shell and seat test per MSS SP-151.
- > Factory cycle test.
- > Certificate of design conformance is available with every valve.

OPTIONAL:

- > Gate Guards
- > Open/Closed Lockouts
- > Limit Switches
- > Solenoid Valve
- > Fail Safe Systems



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