

BRAY RECOMMENDED SPECIFICATIONS

Bray/McCannalok HP Valves

Valve Type:

Bray/McCannalok High Performance or equal.

Body:

- Shall be one-piece wafer, lug or double flanged design with extended neck to allow for 2" of piping insulation.
- Flange hole drilling per international flange standard as specified.
- Provided with top and bottom stem bearings consisting of a 316 stainless steel shell with a TFE/glass fabric liner bearing surface.
- Equipped with an externally adjustable stem packing system that allows packing adjustment without removing the actuator.
- Internal over-travel stop shall be provided to prevent over-travel of the disc and minimize possible seat damage.

Disc:

- Disc edge shall be hand polished for minimum torque and maximum sealing capability.

Stem:

- Shall be one-piece design
- Stem shall be provided with blow-out proof stem retention system to assure full retention of the stem in the unlikely event of an internal stem failure.

Seat:

- Design shall consist of a resilient energizer totally encapsulated by the seat.
- Seat retainer shall be full-faced and firmly attached by bolts located outside the sealing area to protect them from corrosion.
- The seat assembly shall be locked in the body recess by the full-faced retainer.
- The seat shall be self-adjusting for wear and temperature changes.
- The seat shall be easily field replaceable.

Testing:

- Valve shall be tested for tight shut-off per API 598 requirements.

Approvals & Certifications:

- CE/PED Certification
- Fire-Test Standard API 607 5th Edition Certified
- NSF/ANSI 61-2008 Certification (Potable Water)
- SIL Certification
- ABS Type Approval
- Bureau Veritas Type Approval
- DNV
- China Classification Society (CCS) Type Approval



Pressure Ratings:

Bi-directional Service

(With downstream flanges and disc in closed position):

All Bray/McCannalok ASME 150 Valves:

- 21/2"-60" (65mm-1500mm) 285 psi (20.0 Bar)

All Bray/McCannalok ASME 300 Valves:

- 21/2"-54" (65mm-1370mm) 740 psi (50.0 Bar)

All Bray/McCannalok ASME 600 Valves:

- 3"-30" (80mm-750mm) 1480 psi (102.0 Bar)

Dead-End Service

(No downstream flanges and disc in closed position):

All Bray/McCannalok ASME 150 Lug & Double Flange Valves:

- 21/2"-60" (65mm-1500mm) 285 psi (20.0 Bar)

All Bray/McCannalok ASME 300 Lug & Double Flanged Valves:

- 21/2"-54" (65mm-1370mm) 740 psi (50.0 Bar)

All Bray/McCannalok ASME 600 Lug & Double Flanged Valves:

- 3"-30" (80mm-750mm) 1480 psi (102.0 Bar)