

RECOMMENDED SPECIFICATIONS FOR BRAY McCANNALOK HP VALVES**Valve Type:**

- Bray/McCannalok High Performance or approved equal.

Body:

- Shall be one piece wafer, lug or double flanged design with extended neck to allow for 2" of piping insulation.
- Material shall be Carbon Steel, Stainless Steel or other as specified
- Flange hole drilling per international flange standard as specified.
- Provided with top and bottom stem bearings for stem support 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:

- Material shall be stainless steel or other as specified
- Disc edge shall be hand polished for minimum torque and maximum sealing capability.

Stem:

- Shall be a one-piece design.
- Material shall be 17-4PH stainless steel or other as specified
- Shall be provided with a 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 of the sealing area to protect them from corrosion.
- The seat assembly shall be locked in the body recess by the full-faced seat retainer
- The seat shall be self-adjusting for wear and temperature changes
- Shall easily field replaceable

Pressure Ratings:

- Valve shall be rated for bi-directional tight shut-off at full pressure rating.
- Valve shall be tested for tight shut-off shall per API 598 requirements.

• Bi-directional Service (With downstream flanges and disc in closed position):**All Bray/McCannalok Valves:**

2 1/2" -60" (65mm-1500mm)
285 psi (20 Bar)

2 1/2" -54" (65mm-1370mm)
740 psi (50 Bar)

3" -30" (80mm-750mm)
1480 psi (102 Bar)

• Dead-End Service (No downstream flanges and disc in closed position):**All Bray/McCannalok Lug and Double Flanged Valves:**

2 1/2" -60" (65mm-1500mm)
285 psi (20 Bar)

2 1/2" -54" (65mm-1370mm)
740 psi (50 Bar)

3" -30" (80mm-750mm)
1480 psi (102 Bar)