

BRAY RECOMMENDED SPECIFICATIONS**Bray/McCannalok HP Valves****The Valve shall be Bray/McCannalok High Performance or approved equal.**

The valve body shall be one-piece wafer, lug or double-flanged design with extended neck to allow for 2" of piping insulation, have flange hole drilling per international flange standards, be provided with top and bottom stem bearings consisting of a 316 stainless steel shell with a TFE/glass fabric liner bearing surface, incorporate an internal over-travel stop to prevent over travel of the disc and be equipped with an externally adjustable stem packing system allowing packing adjustment without removal of the actuator.

The valve disc shall be hand polished for minimum torque and maximum sealing capability. The valve stem shall be one-piece design and 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. The valve seat design shall consist of a resilient energizer totally encapsulated by the seat and a seat retainer, which shall be full-faced and firmly attached by bolts located outside the sealing area to protect them from corrosion. The seat shall be easily field replaceable and shall be self-adjusting for wear and temperature changes.

The valve shall be capable of tight shut-off with or without downstream flanges to the full rating of the valve and shall be tested for tight shut-off per API 598 requirements.

The Valve shall have the following approvals and certifications: CE/PED Certification, Fire-Test Standard API 607 5th Edition Certified, NSF/ANSI 61-2008 (Potable Water) Certification, SIL, ABS Type Approval, Bureau Veritas Type Approval, China Classification Society (CSS) Type Approval, DNV