

Bray Multi-Port

Brand: Bray



Short Description

The Series MPF multi-port ball valves offer 3-way and 4-way flow control. The Multi-port Series valves are available in two different body styles, a compact standard port and a block style full port. Standard port valves are available with NPT Threaded and Quick Clamp end connections. Full port valves are available with NPT Threaded, Quick Clamp, Socket or Butt Weld, and Flanged end connections. End connections can be mixed on a single valve. Many parts are fully interchangeable between models. Cost effective Multi-port Series ball valves feature multi-directional control combined with shutoff capacity in one valve. Valve duplication and the need for an extra shutoff valve are eliminated.

Description

Stem seals: multiport series 1/4" – 4" valves all feature a live-loaded stem packing assembly for positive stem sealing. Utilizing Belleville washers, the stem seal automatically adjusts to compensate for changes in temperature and normal wear. The 6" – 12" valves utilize an independent packing gland which can be easily adjusted while the valve is still in service. The 1/4" – 2" valves also offer primary and secondary stem sealing. The primary seal is a thrust washer and o-ring assembly. The adjustable stem packing creates a secondary seal between the stem and body in the upper stem journal area. Four seat design: as standard, multiport series valves are supplied with an additional fourth seat. This seat acts as a self-contained seal to prevent leakage in the cavity area and maintains proper alignment of the ball. The added seat delivers bi-directional control and shutoff combined in one valve – with an off position in both t and l port balls. Flow-tek's seat design ensures bi-directional, bubble-tight sealing with low operating torque. Seat selection: a wide range of seat materials are available to meet most applications. The standard seat is tfm. Options include rptfe, ptfe, uhmwpe and tek-fil® (carbon/graphite

filled tfm). Tek-fil® seats offer reduced torque in high temperature, high cycle, and steam service applications. Interchangeability: many parts including balls, stems, seats, and stem and body seals are interchangeable between different models of the same size valve. Cavity fillers: optional cavity fillers are available for multiport models 230/240 and 150/300 valves. Cavity fillers reduce the possibility of media contamination due to line media fluids becoming entrapped in the void between the ball and the valve body wall. Secure mount: the integral cast top flange ensures positive actuator mounting. Actuation equipment can be easily and safely removed while the valve is under full line pressure. The mounting flange is designed to iso 5211 standards with direct flush-mount capabilities. By repositioning the travel stop pin bolt on the mounting flange, all flow patterns are available from the standard valve. Ball/stem: the ball and stem connection is designed to ensure a positive connection. 1/4" – 2" Valve stems are pinned, 2 1/2" – 12" stems and balls are one piece with trunnion mounting. All stems offer blowout proof protection. Balls are precision machined and mirror finished for bubble-tight shutoff with less operating torque. Flow-tek balls have machined edges to reduce seat wear providing a high life cycle.