



ECCENTRIC PLUG VALVES

SIZES 3"-48"

SUGGESTED SPECIFICATIONS

GENERAL

Eccentric Plug Valves shall be of tight closing, resilient faced, non-lubricating variety with a cylindrical plug and rectangular port that shall provide a rotational alignment by the eccentric motion making a uniform and full contact with the welded nickel seat. Eccentric Plug Valve shall be drop-tight at the rated pressure (sizes 3"-12" 175 PSI and sizes 14"-48" 150 PSI) and shall be satisfactory for applications involving throttling service as well as frequent or infrequent on-off service.

Eccentric plug valves shall be equipped with a position indicator marked at 10° increments on either the body cover of the valve or the attached manual gear.

REFERENCE STANDARDS

Eccentric Plug Valves shall conform to the latest version of AWWA Standard C517 "Resilient-Seated Cast-Iron Eccentric Plug Valves".

ASTM A536 Standard Specification for Ductile Iron Castings

ANSI B16.1, Class 125 "Pipe Flanges and Flanged Fittings"

AWWA C111 "Rubber-Gasketed Joints for Ductile-Iron Pressure Pipe and Fittings"

VALVE BODY

The valve body shall be Ductile Iron A536 Grade 65-45-12. The internal/external cast surfaces shall be 2-part epoxy coated.

The rectangular port seat shall be welded-in overlay, cylindrically shaped of not less than 95% pure nickel, and fully machined. Seat area shall be raised, with raised area completely covered with weld to insure proper seat contact.

VALVE PLUG

The valve plug shall be Ductile Iron A536 Grade 65-45-12 and fully encapsulated with Buna-N (NBR) in all valve sizes. The rubber to metal bond must withstand 75lbs. pull under test procedure ASTM D-429-73 Method B.

VALVE BEARINGS

Plug valve shall be furnished with permanently lubricated sleeve metal type 316 stainless steel bearings conforming to ASTM A-743 Grade CF-8M.

TESTING

Each valve shall be seat leakage tested at rated pressure and hydrostatically shell tested at 1.5 times the rated pressure. Manufacturer shall provide written confirmation of testing when requested by the customer.