



SECTION 15100 ECCENTRIC PLUG VALVES

PART 1. GENERAL

1.01 SECTION INCLUDES

- A. Eccentric Plug valves, 1/2-3" (15-80mm), of rectangular port construction with resilient faced cylindrical plugs eccentrically offset from the seat, for the purpose of providing isolation or throttling control as indicated.

1.02 REFERENCES

- A. ASTM A126 Class B "Gray Iron Castings for Valves, Flanges and Pipe Fittings"
- B. ASME B16.1 "Pipe Flanges and Flanged Fittings"
- C. Meets requirements of AWWA C517

1.03 SUBMITTALS

- A. Submit detailed product data and descriptive literature to include dimensions and materials of construction.
- B. Provide shop drawings to show installation arrangement of major component assemblies.

1.04 QUALITY ASSURANCE

- A. Supplier shall have been manufacturing eccentric plug valves for a period of at least ten years. At the engineer's request, supplier shall provide a list of installations involving equipment of similar size and application.
- B. Valves and Actuators shall be warranted by the manufacturer for defects in materials and workmanship for a period of two years (24 months) from date of shipment.
- C. Each valve and actuator shall be assembled, adjusted and tested as a unit by the valve manufacturer.

PART 2. PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. DeZURIK
 - 1. DeZURIK Eccentric Plug Valve.

2.02 ECCENTRIC PLUG VALVES

- A. Plugs shall be solid one piece, Cast Iron ASTM A126 Class B. The plug shall have a cylindrical seating surface eccentrically offset from the center of the shaft. Plug shall not contact the seat until at least 90% closed. Resilient plug facing shall be Chloroprene (CR) or as required for application. Spherical shaped plugs are not acceptable.
- B. Bodies shall be Cast Iron ASTM A126 Class B. Ports shall be rectangular. Round ports are not acceptable. Bearings shall be sleeve type and made of sintered, oil impregnated permanently lubricated type 316L sintered stainless steel.
- C. Pressure rating shall be 175 psi (1210 kPa). Every valve shall be given a certified hydrostatic shell test and seat test, with test reports being available upon request.
- D. End Connections shall be Flanged drilled per ASME B16.1 and/or threaded connections conform to NPT requirements of ASME B1.20.1