



## Series 700 Lubricated Plug Valves Standard Specification

- A. This specification covers Class 250 ductile iron lubricated plug valves with flanged or threaded ends.
- B. Pressure-Temperature ratings shall be per ASME/ANSI B16.1, Class 250:
  - 1" – 12": 500psig maximum at -20 to 150 degrees F.
  - 14"-16": 300psig maximum at -20 to 150 degrees F.
- Note: For flammable gas or fluid applications, the maximum operating pressure is 125psig.
- C. Valve bodies shall be designed to provide a maximum streamline flow through the valve. Valve plugs shall be a cylindrical design.
- D. Bodies and bonnets shall be made from Ductile Iron castings, ASTM A536 65-45-12. Plugs shall be made from Gray Iron castings, ASTM A126, Class B.
- E. End flanges shall be integral with the valve body. Flange drilling and thickness shall conform to ASME/ANSI B16.1 for pressure Class 250.
- F. Flange faces shall be finished in accordance with MSS SP-6.
- G. Face-to-Face dimensions of flanged end valves shall conform to ASME/ANSI B16.10 up to and including 14" size.
- H. Threaded valve connections shall conform to ASME/ANSI B1.20.1
- I. Valves shall be furnished with a lubricating/sealing system to provide a means for delivering plug valve lubricant/sealant to the body-plug interface.
- J. Leak and Hydro testing shall be performed on all completed valves prior to painting and shipment.