



Series 600 Lubricated Plug Valves Standard Specification

- A. This specification covers Class 125 lubricated plug valves with flanged or threaded ends.
 - B. Valves shall conform to ASME/ANSI B16.33 (1/2" through 2") and ASME/ANSI B16.38 (2-1/2" through 12").
 - C. Valve design shall conform to MSS-SP-78, Type IV, Class 125.
 - D. Pressure-Temperature ratings shall be per ASME/ANSI B16.1, Class 125:
 - 1/2" – 12": 200psig maximum at -20 to 150 degrees F.
 - 14"-24": 150psig maximum at -20 to 150 degrees F.
- Note: CSA Approved Valves: 125psi maximum at -40 to 150 degrees F.
U.L. Listed Valves: 200psi maximum at -20 to 125 degrees F.
FM Approved Valves: 50psi maximum at 0 to 125 degrees F.
- E. Valve bodies shall be designed to provide a maximum streamline flow through the valve. Valve plugs shall be a cylindrical design.
 - F. Bodies, plugs and bonnets shall be made from Gray Iron castings, ASTM A-126, Class B.
 - G. End flanges shall be integral with the valve body. Flange drilling and thickness shall conform to ASME/ANSI B16.1 for pressure Class 125.
 - H. Flange faces shall be finished in accordance with MSS SP-6.
 - I. Face-to-Face dimensions of flanged end valves shall conform to ASME/ANSI B16.10 up to and including 14" size.
 - J. Threaded valve connections shall conform to ASME/ANSI B1.20.1
 - K. Valves shall be furnished with a lubricating/sealing system to provide a means for delivering plug valve lubricant/sealant to the body-plug interface.
 - L. Leak and Hydro testing shall be performed on all completed valves prior to painting and shipment.