Series 600SJ Lubricated Plug Valves
Standard Specification

For High-Temperature Applications to 450 Degrees F

A. This specification covers Class 125 lubricated plug valves with flanged or threaded ends.

B. Pressure-Temperature ratings shall be per ASME/ANSI B16.1, Class 125, with a maximum media temperature of 450 degrees F.

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 plugs shall be made from Gray Iron castings, ASTM A-126, Class B. Steam/Hot Oil jacketed bonnets shall be made from Ductile Iron castings, ASTM A536 65-45-12

E. End flanges shall be integral with the valve body. Flange drilling and thickness shall conform to ASME/ANSI B16.1 for pressure Class 125.

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. Stem seal material shall be PEEK.

K. Sealant shall be Type 750.

L. Leak and Hydro testing shall be performed on all completed valves prior to painting and shipment.