



Features Not Shown

- **A182 F92** body material available on select models. Contact your MOGAS representative for availability.
- **Lockout feature** integrated into handle adaptor, which accommodates customer's lockout device in open and closed positions.
- **Handle can be repositioned** as a T-handle or used full length.
- **Flow arrow** forged into mounting flange visible above insulation.
- **Blank configuration** for buttweld connections and customer end connections.
- Complies with **ASME B16.34** requirements.
- Socketweld ends per **ASME B16.11**.
- Actuator mounting per **MSS SP-101**.
- **Patented design.**

- 1 **Mechanical precision stop** with locking set screws for adjustment. Actuator torque is transmitted directly through the stem adaptor to the stop. For handlever operated valves, stop ensures correct ball orientation and prevents misalignment on automated valve.
- 2 **Integral mounting flange** prevents disassembly. Integral flange provides rigid mounting of actuation with no loosening or shifting between bracket and body.
- 3 **Double-keyed stem** for reliable and more convenient adaptation of gears, pneumatics, hydraulics and motor operators.
- 4 **Stem bushing** prevents stem blowout and aligns stem radially. **Coated** for wear resistance.
- 5 **Single scribe line** on gland aligns with open or closed scribe line on stem to indicate proper ball and seat alignment and correct ball direction.
- 6 **Gland flange** with concentric live loading has ample allowance for adjustments while maintaining sealing integrity. The gland flange, studs and nuts are 316SS for corrosion resistance. The live load springs are Inconel.

- 7 The **gland thruster** is machined and coated for wear resistance for a continuous tight connection with the stem and packing box to prevent packing extrusion.
- 8 **Deep stuffing box** with proven 0.125-inch cross-section Chesteron™ packing and dual anti-extrusion rings that provide reliable sealing and longevity.
- 9 **Metal anti-extrusion ring** minimizes packing extrusion.
- 10 **Integral vented body design** protects the valve seat during Post Weld Heat Treatment (PWHT).
- 11 **Stop** on downstream end indicates limit for heat ribbons used for stress relief.
- 12 Proven **press-fit seat design**.
 - ASME 1500 Limited Class = 410SS / Chromium Carbide
 - ASME 3100 / 4500 Limited Class = Inconel 718 / Chromium Carbide
- 13 **Oversized bore** at seat face allows for rapid thermal expansion without exposing seat face to process flow. **Wider seat faces** increase seal longevity.

- 14 **Mate-lapped ball and seat** for 100% sealing contact to ensure absolute shut-off.
- 15 **Forged body** for reliable pressure containment.
- 16 **Increased clearance** and visibility around packing nuts provides easier access for adjustment. Gland components can be raised for installation of skive-cut packing rings. **Greater length** between stem bushing and packing box bearing surfaces for more precise stem alignment.
- 17 **Nameplate** permanently attached to mounting flange leg, visible above insulation. Nameplate location indicates high-pressure end in the closed position.
- 18 Stem with **integrated thrust bearing** supports greater axial load. Reliable wear life. **Coated** stem for wear and gall resistance. Marked with open and close to clearly show operating position.
- 19 **Bore of mounting flange** accommodates adaptor. Adaptor provided by MOGAS.