AVCO
Alloy Valves and Control

# BALL VALVES
# 11500 SERIES

## SPECIFICATION SHEET

### FORGED THREE PIECE CRYOGENIC TRUNNION BALL VALVE

#### Construction

The main valve body is constructed of ASTM A182-F316 (Stainless Steel 316) in three forged sections bolted together with encapsulated body bolts. The cryogenic bonnet is constructed of forged stainless steel 316 which is bolted to the main valve body and sealed with a gasket. The ball & stem are forged stainless steel 316. Other materials of construction (alloys) are available upon request for all components.

#### Design

- The valve design meets API 6D
- The valve body has three forged sections (body and two end caps).
- The three forged sections are bolted together and conform to ASME B16.34.
- The bonnet is an engineered single piece bolted to the valve body.
- Valves are available up to class 2500 per ASME B16.34.
- Cavity over pressure protection is standard.
- The end to end dimensions conform to ASME B16.10 for RF & RTJ flanged and butt weld versions.
- Butt weld ends conform to ASME B16.25.
- Flanged ends conform to ASME B16.5.
- The ball is full port.
- The seats are encapsulated for greater durability.
- The valve is fire safe as standard per API 607.
- The valve is designed for minimal pressure drop across the valve.
- The valve body has an integral mounting pad conforming to ISO 5211.
- The stem is bottom entry and has blow-out prevention.
- The stem has a lower guide bearing for increased stability.
- The bonnet gasket is stainless steel 316 spiral wound with graphite filler.
- The body gasket material is available in several materials to cover different media types.
- The seat material is available in several materials to cover different media types.
- The stem assembly enables online adjustment of the packing.
- Anti-Static features are standard within the valve design.
- The valves are tested to API 598 and ASME B16.34.
- Valve sizes available are 2” thru 28”.

#### Operation

The following operators can be utilized on the valve:

- Chain wheel operator.
- Electric motor actuator.
- Hydraulic actuator.
- Manual (Lever handles etc.)
- Pneumatic actuator.
- Worm Gear operator.



3210 S. Susan St, Santa Ana, CA 92704 Tel (714) 427-0877 Fax (714) 427-6392 Website: www.avcovalve.com