

SPECIFICATION SHEET

THREE PIECE BALL VALVE

Construction

The valve body is constructed of ASTM A351-CF8M (Stainless Steel 316) or ASTM A216-WCB (Carbon Steel) in three cast sections bolted together with encapsulated body bolts. Materials of construction for ball & stem are stainless steel 316. Other materials of construction are available upon request for all components.

Design

- The valve body has three cast sections (body and two end caps).
- The three cast sections are bolted together and conform to ASME B16.34.
- Valves are available up to class 600 per ASME B16.34 or 2000/3000 WOG
- The end to end dimensions conform to ASME B16.10 for flanged versions and to AVCO standards for all other styles.
- Butt weld ends conform to ASME B16.25.
- Flange ends conform to ASME B16.5.
- Threaded ends conform to ASME B1.20.1, B16.11 & B16.34 (BSP also available).
- Socket weld ends conform to ASME B16.11 & B16.34
- The ball is full port.
- The seats are encapsulated for greater durability.
- The valve is available for fire safe installations and tested 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 has blow-out prevention.
- 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.
- The packing material is Teflon (PTFE).
- The valves are tested to API 598 and ASME B16.34.
- Valve sizes available are 1/4" thru 4".

Operation

The following operators can be utilized on the valve:

- Chain wheel operator.
- Worm Gear operator.
- Pneumatic actuator.
- Hydraulic actuator.
- Electric motor actuator.