

SPECIFICATION SHEET

THREE/FOUR PIECE BOTTOM ENTRY DIVERTER BALL VALVE

Construction

The valve body is constructed of ASTM A351-CF8M (Stainless Steel 316) or ASTM A216-WCB (Carbon Steel) in four cast sections (three for flanged versions) 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 four cast sections (three for flanged versions) comprising body and three end caps.
- The sections are bolted together and conform to ASME B16.34.
- Valves are available up to class 600 per ASME B16.34 or 2000 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.
- 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 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 1/4" thru 2" are available in butt weld, socket weld & threaded ends.
- Valve sizes 1/2" thru 4" are available in flanged ends.
- A 90° ball is available to give simple diversion.
- A 180° ball is available to give diversion and complete shut-off

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.