AVCO
Alloy Valves and Control

BALL VALVES 9100 SERIES

SPECIFICATION SHEET

TWO PIECE FIRE SAFE FLANGED BALL VALVE

Construction

The valve body is constructed of ASTM A351-CF8M (Stainless Steel 316), ASTM A351-CN7M (Alloy 20), ASTM A494-CW12MW (Hastelloy C), ASTM A494-M35-1 (Monel 400), ASTM A995-CD3MN (Duplex), ASTM A995-CD3MWCuN (Super Duplex) or ASTM A216-WCB (Carbon Steel) in two cast sections bolted together with double end studs and nuts. Materials of construction for ball & stem are stainless steel 316, Alloy 20, Hastelloy C, Monel 400, Duplex or Super Duplex as required.

Design

- The valve body has two cast sections with integral flanges.
- The two cast sections are bolted together and conform to ASME B16.34.
- The valve design meets the requirements of API 608 & ASME B16.34.
- The end to end dimensions conform to ASME B16.10 class 150, 300 or 600.
- The end flanges conform to ASME B16.5 class 150, 300 or 600.
- The ball is full port per schedule 40 pipe.
- The valve body 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 SS316/Graphite or TFE.
- The seat materials are TFM & PEEK
- The packing gland assembly enables online adjustment of the packing.
- The packing material is Graphoil or TFE.
- The valve packing can be adjusted without removing the operator (sizes 3” thru 12”).
- The valves are tested to API 598 & 607.
- Valve sizes available are ½” thru 12”.

Operation

The following operators can be utilized on the valve:

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

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