EZ Valve

Product Specification for Full Ported, 3-Piece Ball Valves (EZ9)

This specification covers the design of full port, three-piece ball valves used in plant-wide applications.

- Valve shall be a three-piece design (1/4" to 2") in full port design and in a selection of body materials (stainless steel, carbon steel), and TFM seats to meet a broad range of fluid types, pressures and temperatures.
- End connection shall be NPT, Socket Weld, Butt Weld or flanged.
- Weld-ends shall be "L" grade 316 stainless steel or carbon steel as required by the application.
- Stem seal shall be live-loaded V-Ring design using high-performance stainless steel disc springs (Belleville Washers). The design shall meet the stem seal testing criteria according to ISA-SP-93.
- Actuator attachment shall be by integral mounting surface as part of the valve center section to eliminate the use of pressure-containing body bolts for actuator mounting. Dimension and design as per ISO-5211.
- Manual lever-handle shall be stainless steel with vinyl grip and locking capabilities.
- Product tagging shall be permanently affixed using spot welding, etching or riveting.
- Ball and stem shall be 316 stainless steel.
- Valves -with weld ends- for carbon steel piping systems shall be supplied with stainless steel center sections.
- Valve shall provide equal-percentage flow characteristics when used in throttling control.
- Valve shall be designed, manufactured and tested to meet applicable industry standards; such as: ANSI, ASME, API, BPE, DIN, ISO (as required)
- Process-quality ball valves shall be SVF Series "EZ9" (full port) or equal.