

A1000 - Direct Mount Ball Valve

1. Stem

Jomar's sturdy blow-out proof stem is designed for direct mounting of actuator that meets ISO5211 specifications.

2. Mounting Pad

Two sets of ISO5211 mounting patterns are available to accommodate a great range of actuators. Machined flat surface ensures correct alignment of actuator to the stem top for minimum side loading during operation.

3. Ball

Precision machined and polished-to-a-mirror finish for bubble tight shut-off. Each ball is designed to have minimum torque and provides high life cycle.

4. Seat And Gasket

Jomar's ball seat is set inside our heavy-duty gasket ensuring sealing integrity of the valve body. Elasticity of the seat-gasket union enables a bubble tight shut-off at every level of rated pressure range.

5. Body

Three-piece Swing-out design enables in-line maintenance of ball valve

6. Body Bolting

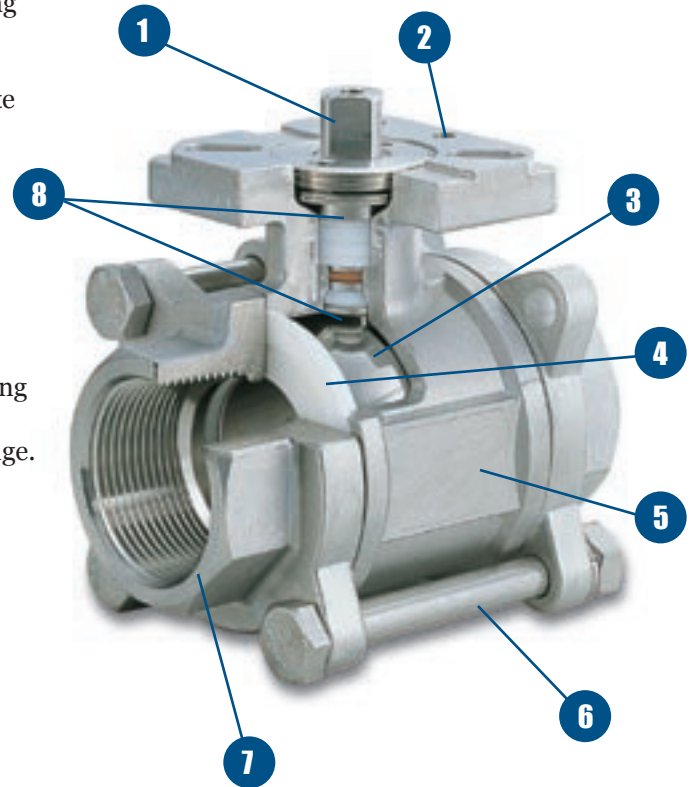
Heavy body bolts made of 304 Stainless Steel are standard

7. End Connection

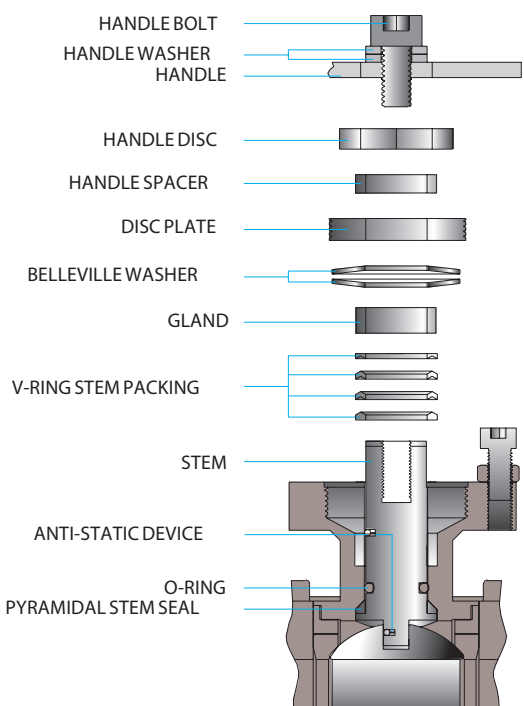
Various interchangeable end connections are available, NPT is standard.

8. Anti-static Device

To eliminate the possibility of static electrical charges within the valve, two grounding connections are set in the stem to ensure electrical continuity for the entire ball valve.



The Jomar A1000 Ball Valve offers high cycle stem design with a pyramidal stem seal design



1 - Live Loaded Stem Seal

The disc plate uniformly compresses the Belleville washers to create an opposing energy, thereby creating live loading of the stem seal.

2- Three Stages of Stem Sealing

Stage 1- The A1000 valve incorporates a pyramidal stem seal design. Internal pressure of the valves pushes the pyramidal stem seal upward, and because of its shape, the seal expands to fill all potential leak paths in the lower stem area.

Stage 2- The A1000 valve incorporates a Viton® stem O-ring seal. The elastic nature of the Viton® serves as an effective seal for gaseous mediums that might escape Stage 1 sealing.

Stage 3- The A1000 valve incorporates V-ring stem packing. The live loading of the Belleville washers expand the V-ring stem packing, adding the 3rd stage of stem sealing.

3 - Independent Stem Rotation

In the A1000 valve, stem rotation is independent of the disc plate and Belleville washers (the live loaded stem seal). The rotating action of the stem does not disrupt the stem seal during high cycle applications.