

## J&S Valve Commercial Butterfly Valve Specification

### 1. Scope

1.1 This specification covers the design, manufacture, and testing of high pressure offset seat butterfly valves.

### 2. Standards, Approvals, and Verification

2.1 The valves shall be designed, manufactured, and tested in accordance with ASME B16.5 and ASME B16.34.

### 3. Connections

3.1 The valves shall be provided with lug or wafer style connections.

### 4. Design

4.1 Valves shall be High Performance Butterfly with offset seat and eccentric shaft. They shall be capable of sealing against full differential pressure in either flow direction.

4.2 Valve seat shall be both self and pressure energized with an elastomeric core. The self-energizing member shall be isolated from the line media,

4.3 Valves shall have retained top and bottom low friction bearings.

4.4 Shaft design shall be single or dual piece.

4.5 Retainer rings must be recessed in the body so that the line gasket prevents any potential external leakage.

4.6 Valves shall have internal stop to prevent disc over-travel.

4.7 Valves shall be J&S Valve or approved equal.

### 5. Materials

5.1 Valves shall be constructed of new material.

5.2 Carbon steel valves shall be constructed from materials below:

5.3 Body-ASTM A105 or A216 Gr. WCB.

5.4 Disc- ASTM A182 F316 or A351 Gr. CF8M.

### 6. Options

6.1 A pre-wired limit switch will be provided (when specified) to indicate open/closed position to a remote location. The mechanical type limit switch shall be activated by the external arm and rated for NEMA 4, 6, or 6P and shall have U.L. rated 5 amps, 125 or 250 VAC contacts.

### 7. Manufacture

7.1 Valves shall be hydrostatically shell tested per ASME B16.34

7.2 No leakage is permitted for resilient seated valves. Valves shall be Series 2300 or 2500 as manufactured by J&S Valve, Inc. Huffman, TX USA or approved equal.