STAINLESS STEEL WAFER SWING CHECK VALVE SPECIFICATION

1. SCOPE

1.1 This specification covers the design, manufacture, and testing of 2 -inch (50mm) through 12-inch (300mm) Wafer Swing Check Valves suitable for cold working pressures of 250 psi in water and wastewater service.

2. STANDARDS

2.1 The valves shall be designed, manufactured, and tested in accordance with ASTM.

3. CONNECTIONS

3.1 The valves shall be compatible with flanges in accordance with ANSI 150 flat faced cast iron flanges.

4. DESIGN

4.1 The wafer swing check valve shall have torsional a spring-assisted fast closure to minimize possibility of water hammer.

4.2 The valve shall be constructed of stainless-steel body.

4.3 The body shall have a machined dovetail groove to retain a field replaceable Nitrile (Buna-N®) Seal that provides water-tight shut-off at low/high pressure.

4.4 The valve disc/arm assembly shall be one-piece design utilizing an integral disc arm for connection to the shaft for positive shut-off and no disc flutter.

4.5 All materials conform to ASTM specifications.

5. FUNCTION

5.1 The Stainless-Steel Wafer Swing Check Valve has a quick, spring-assisted closure that minimizes the possibility of water hammer. The swing check design offers low head loss and a full-flow passageway making it ideal for water or wastewater applications. The short length of the valve allows for a space-saving design.

5.2 All 316 stainless steel, the Swing Check Valve uses a standard soft seat to ensure a drip-tight seal. For ease of installation, valves 6” and larger are supplied with a tapped hole to mount an eye bolt for lifting. All materials conform to ASTM specifications, ensuring performance reliability.

6. FEATURES

6.1 Lowest Initial Cost

6.2 Shortest lay length

6.3 Lowest overhead loss

6.4 Resilient seat (standard)

6.5 For Waste and Raw Sewage

6.6 For Clean Water

6.7 Buried Service

6.8 Vertical installation flow up only

6.9 Flow Velocities up to 25 FPS

7. MANUFACTURE

7.1 Stainless Steel Swing Check Valves shall be J&S Valve Series 9300 as manufactured by J&S Valve, Inc., Huffman, TX USA or preapproved equal.

J&S Valve