SC Swing Check Valves

Sample Specification

< STANDARDS >

ASTM D1784

ANSI B16.5

1.0 Ball Valves - SC

1.1 Material

- The valve body, bonnet, swing arm, and disc shall be made of PVC compound which shall meet or exceed the requirements of cell classification 12454 according to ASTM D1784.
- This compound shall comply with standards that are equivalent to NSF Standard 61 for potable water.

1.2 Seals

- The o-ring seals and shutter shall be made of EPDM which shall comply with standards that are equivalent to NSF Standard 61 for potable water.

or

- The o-ring seals and shutter shall be made of Viton® (FPM) which shall comply with standards that are equivalent to NSF Standard 61 for potable water.

1.3 Bolts

- The bolts, nuts, and washers shall be made of 304 stainless steel.

2.0 Connections

2.1 Flanged style

- The ANSI 150 flanged PVC end connections shall conform to the dimensional standard ANSI B16.5.

3.0 Design Features

- All swing check valves shall be full flow.
- All valves shall be gravity operated.
- The valve shall have a full face disc seal.
- The valve shall have a full open disc stop to prevent over-travel.
- The valve shall have no wetted metal parts.
- Service of the valve shall be possible without removal from the system line.
- All check valves may be installed in either horizontal or vertical orientations.

3.1 Pressure Rating

- Valve sizes 3" shall be rated at 100 psi at 73°F.
- Valve sizes 4" through 8" shall be rated at 70 psi at 73°F.

3.2 Markings

- All valves shall be marked to indicate size, material designation, and manufacturers name or trade mark.

3.3 Color Coding

- All PVC valves shall be color-coded dark gray.

4.0 All valves shall be Xirtec® 140 by IPEX or approved equal.