

SC Series Swing Check Valves

Sample Specification

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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.

1.2 Seals

- The o-ring seals and shutter shall be made of EPDM.
or
- The o-ring seals and shutter shall be made of FPM.

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

- Valves sizes 3" & 4" shall be rated at 150 psi at 73°F.
- Valves sizes 6" & 8" shall be rated at 100 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® PVC by IPEX or approved equal.

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- Industrial process piping systems
- Municipal pressure and gravity piping systems
- Plumbing and mechanical piping systems
- Electrofusion systems for gas and water
- Industrial, plumbing and electrical cements
- Irrigation systems
- PVC, CPVC, PP, PVDF, PE, ABS, and PEX pipe and fittings

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