

# SC Series Swing Check Valves

## Sample Specification

### Sample Specifications

#### 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

- 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® PVC by IPEX or approved equal.

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- PVC, CPVC, PP, PVDF, PE, ABS, and PEX pipe and fittings

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