

Swing Type Check Valves- Lever/Weight or Lever/Spring

Styles: Bronze to Buna-n, Bronze to Bronze, Stainless Steel to Buna-n

Sizes: 3" to 72"

Uses: Water / Sludge/ Sewer service

General: Swing check valves are of self contained free swinging disc style. Valves conform to all standards set forth in AWWA C508. Valve hinge pins are Stainless Steel and conform to the industry standards set forth for cushion valves. Manufacturer should have a minimum of ten years experience supplying AWWA C508 valves

Referenced Standards:

ANSI B16.1: Cast Iron Pipe Flanges and Flanged Fittings Class 25,125,250 and 800. AWWA C508: Swing Check Valves for Waterworks Service, 2" through 24" NPS.

Rating:

Valves are rated for 200 p.s.i. water working pressure. All testing is done in accordance with AWWA C508.

End Configuration: Valves have integrally cast flat face flanges in accordance with ANSI B16.1 Class 125.

Materials: All cast iron used conforms to ASTM A126 CLB.
Valve Hanger and Disc are of cast iron conforming to ASTM A126 CLB. Hinge Pins conform to ASTM A276 GR304.
Seat Rings are of Low Zinc Bronze conforming to ASTM B62 or of Stainless Steel conforming to ASTM A276 GR31 6

Coating: Internal and external coatings are high build two component epoxy conforming to AWWA C550.

Design: All valves meet the standards of AWWA C508. All valves utilize a single disc mounted to a clevis hinge which prevents the disc from tipping. The valve disc swings open once the pump starts and allows for full flow. When closed the valve offers a tight shut-off. Valve body and cover are of Cast Iron, valve hinge is of Cast Iron. Disc seating surface is either Bronze, Stainless Steel or of Buna-n depending on application. Valve seat rings are of Bronze or Stainless Steel.

The valve body has a bolted cover design and flanges are integral to body casting—not wafer style. Valve body and disc are designed in such a way as to minimize turbulence. Weight or Spring systems are externally mounted on the side of the body and do not come into contact with main line media.

Marking: Markings on the valves are in accordance with AWWA C508, and include the name of manufacturer, the year of manufacture, maximum working pressure and size of valve.

Installations: All valves are built for horizontal installation. However, all valves operate equally well in the vertical installations. Prior to valve installation CCNE should be notified of vertical mounting position so lever arm and weight can be properly positioned on valve.

Common Features of the Check Valve:

Stainless Steel Hinge Pin.
Flanges conform to ANSI B16.1/ Class 125.
Lever and Weight may be installed on either side. Valves may be installed in vertical line with flow up. Non tilt disc with Buna-n insert for water tight shut off. Meets AWWA standards.

Acceptable Manufacturers:

CCNE,LLC
Henry Pratt
Engineer Pre-approved Equal