

**APCO CRF LINED BODY RUBBER FLAPPER
SWING CHECK VALVES
SUGGESTED SPECIFICATION**

APPLICATION DATA 100.01-6
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Supersedes October 1, 2012



Lined Body Rubber Flapper Swing Check Valves to be APCO model CRF (Body Style 100 Lined Body Valves) as manufactured by DeZURIK, Inc. or pre-approved equal.

Rubber Lining shall be bonded to all interior surfaces of the body and cover. Lining material shall be 1/8" thick Natural Rubber (NR), Chloroprene (CR) or Terpolymer of Ethylene Propylene & A Diene (EPDM) or Acrylonitrile-Butadiene (NBR).

Body to be Ductile Iron ASTM A536 Grade 65-45-12 for sizes 2-24" (50-600mm) and Cast Iron ASTM A126 Grade B for sizes 30" (750mm) and larger.

Body Seat shall be on a 45 degree angle to the centerline of the pipe, permitting horizontal or vertical (flow up) installation. The valve shall be rated to 175 psi (1210 kPa) cold working pressure.

Rubber Flapper to have a steel disc encapsulated with Acrylonitrile-Butadiene (NBR), Chloroprene (CR) or Terpolymer of Ethylene Propylene & A Diene (EPDM). The flapper is captured between the body and valve cover to permit the disc to flex open and closed. An integral "o-ring" shall be molded onto the face of the rubber flapper for positive sealing.

Hinge Section of the rubber flapper shall be designed to accelerate closing due to an elastic spring effect. High-strength fabric shall be integrally molded in the rubber over the disc and bar to form a flexible joint giving the flapper a high cycle life.

Testing: Valve to be tested by the manufacturer as a complete assembly per AWWA C508.

Warranty: Valve shall be warranted by the manufacturer for defects in materials and workmanship for a period of two years (24 months) from date of shipment.