

**APCO CRF-100A RUBBER FLAPPER SWING
CHECK VALVE SUGGESTED SPECIFICATION**

APPLICATION DATA 100.01-7

Page 1

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First Issue



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

APCO CRF-100A Rubber Flapper Swing Check Valves are designed to meet the requirements of AWWA C508.

Body to be Ductile Iron ASTM A536 Grade 65-45-12 for sizes 2-24" (50-600mm).

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 250 psi (1720 kPa) cold working pressure.

Rubber Flapper to have a steel disc encapsulated with Acrylonitrile-Butadiene (NBR), or Terpolymer of Ethylene Propylene and 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.