

**APCO CVS-250/250A SWING CHECK VALVES
SUGGESTED SPECIFICATION**



APPLICATION DATA 250.01-2

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November 11, 2014

Supersedes October 1, 2012

Air Cushioned Swing Check Valves to be APCO model CVS-250A-AC/ CVS-250-AC
Lever & Weight Swing Check Valves to be APCO model CVS-250A-LW/ CVS-250-LW
Lever & Spring Swing Check Valves to be APCO model CVS-250A-LS/ CVS-250-LS
as manufactured by DeZURIK, Inc. or pre-approved equal.

Body shall be constructed of ASTM A536 ductile iron. End connections shall be flat faced, flanged per ASME/ANSI 125/150 lb. standard. The valve shall be rated for 250 psi CWP.

Body Seat shall be 316 stainless steel per ASTM A743, Grade CF-8M. All external fasteners shall be stainless steel.

Disc and Disc Arm shall be ASTM A536 ductile iron. For sizes 2"-24", the disc shall be attached to the disc arm with a 304 stainless steel fastener. Sizes 30" & larger is to be connected to the disc arm with a double clevis hinge.

Disc Seat shall be Acrylonitrile-Butadiene (NBR) and securely held in place by stainless steel screws.

Pivot Shaft shall be one-piece 303 stainless steel per ASTM A582. The Pivot shaft shall protrude through both sides of the body.

Air Cushion Cylinder shall be totally enclosed. It shall have an aluminum alloy cap, head and barrel. The bottom of the cylinder shall be hinged to follow the angular change as the lever rises and lowers. The primary closing speed shall be field adjustable by means of a speed control valve.

Lever & Spring or Lever & Weight Lever arm and adjustable counterweight are to be ductile iron A536 grade 65-45-12.

Valve shall meet or exceed the latest revision of AWWA standard C508