

**APCO CVS-EDV SWING CHECK VALVES  
SUGGESTED SPECIFICATION**



**APPLICATION DATA 245.01-1**  
Page 1  
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All valves shall be APCO model  
CVS-EDV-AC Air Cushioned Swing Check Valves  
CVS-EDV-LW Lever & Weight Swing Check Valves  
CVS-EDV-LS Lever & Spring Swing Check Valves  
as manufactured by DeZURIK or approved equal.

Body shall be constructed of ASTM A536 ductile iron. End connections shall be flat faced, flanged per ASME 125/150 lb. standard. The valve shall be rated for 250 psi (1724 kPa) CWP full waterway design.

Body Seat shall be Type 304 stainless steel. All external fasteners shall be stainless steel.

Disc and Disc Arm shall be ASTM A536 ductile iron. The disc shall be attached to the disc arm with a Type 304 stainless steel nut.

Disc Seat shall be Acrylonitrile-Butadiene (NBR) or Terpolymer of Ethylene Propylene and A Diene (EPDM) and securely held in place by stainless steel screws. The disc seat shall be replaceable and provide drip tight shutoff.

Shaft shall be one-piece Type 304 stainless steel. The Pivot shaft shall be keyed and 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 flow control valve.

Lever & Spring or Lever & Weight arm and adjustable counterweight are to be Carbon Steel.

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

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