

**2-66”(50-1650mm) APCO CVS-6000-AC Swing
Check Valve with Air Cushion Specification**



APPLICATION DATA 6000.01-2
Page 1
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Supersedes October 1, 2012

Air Cushioned Check Valves to be APCO model CVS-6000-AC (Series 6000), as manufactured by DeZURIK, Inc. or pre-approved equal.

Air Cushion shall be totally enclosed. The cylinder shall have an anodized aluminum alloy cap, head and barrel. The bottom cylinder head shall be hinged mounted to follow the change of angular force as the lever rises and lowers.

The primary closing speed of the air cushion cylinder is to be field adjustable by means of a color-coded micrometer type control valve. The secondary closing speed adjustment is performed by the flow control cylinder set screw. Control valve to have a set screw lock to secure final setting accuracy.

Body shall be ASTM A536 ductile iron. End connections shall be flanged class 125/150 or 250/300 per ASME B16.1. Valves 6” and larger shall have a drain plug located on the bottom of the valve.

Body Seat shall be 316 stainless steel per ASTM A276 with an O-ring seal, and locked into place with stainless steel screws.

Disc and Disc Arm shall be ASTM A536 ductile iron. The disc shall be attached to the disc arm with a double clevis hinge to assure self-leveling and even load distribution upon closure, minimizing seat wear. Disc shall have an independent adjustable full open stop. The disc arm, valve body or cover is not to be used as the disc stop. Disc seat shall be nitrile butadiene (NBR) and field replaceable without use of special tools.

Pivot Shaft shall be a large one-piece 303 stainless steel per ASTM A582, protruding through the body with a lever and weight mounted on one side. The pivot shaft shall have an integral retainer to prevent axial shaft movement. The pivot shaft shall have O-Ring seals on both sides of the shaft. Braided type packing is not acceptable.

Valve is 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.