

**8-66”(200-1650mm) APCO CVS-6000-BMB Swing
Check Valves with Bottom Mounted Buffer
Specification**



APPLICATION DATA 6000.01-4
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May 2016
Supersedes October 1, 2012

Swing Check Valves with Bottom Mounted Buffer to be APCO model CVS-6000-BMB (Series 6000B) as manufactured by DeZURIK, Inc. or pre-approved equal.

Bottom Mounted Buffer permits free opening, but positive non-slam closure of the disc. The oil hydraulic buffer shall make contact with the disc during the final 10% of closure to control the disc until shut-off in a manner to prevent slam and water hammer.

The buffer rod shall be 303 stainless steel per ASTM A582. The final closure is to be adjustable by means of a color-coded micrometer type control valve. Control valve to have a locking set screw to secure final setting.

The Oil Reservoir shall be 316 stainless steel per ASTM A240. Hydraulic hoses are to be S.A.E. certified.

Body shall be ASTM A536 ductile iron. End connections shall be flanged class 125/150 per ASME B16.1. Valves 8” 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 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 disc 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 the 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, including the bottom buffer, 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.