

**APCO CSD SLANTING DISC CHECK VALVES
SUGGESTED SPECIFICATION**

APPLICATION DATA 800.01-2

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July 31, 2017

Supersedes October 1, 2012



Slanting Disc Check Valves to be APCO model CSD (Body Style 800) as manufactured by DeZURIK, Inc.

The Body to be Ductile Iron ASTM A536 Grade 65-45-12 for sizes 2-54" (50-1400mm) and Cast Iron ASTM A126 Grade B for sizes 60-72" (1500-1800mm). Bodies shall be a two piece-design, and on valves 6" & larger, each body half must have an access cover for internal inspection. Each 6" & larger body half shall have a removable cover to accept optional attachment of a Bottom Mounted Buffer (BMB) or Top Mounted Oil Dashpot (TMD). Disc stabilizers shall be cast into the valve body.

Body halves shall be o-ring sealed and bolted together to capture the seat ring at a 55 degree angle. The area through the seat section shall be 40% larger than the inlet and outlet of the valve.

The Disc shall have a "hydrofoil" design to create lift and provide low head loss. Discs shall be Bronze C90700 for sizes 2-10" (50-250mm) and Ductile Iron ASTM A536 Grade 65-45-12 on sizes 12" (300mm) and larger. A stainless steel indicator shall be provided to show the disc position.

The Body Seat and Disc Ring shall be Bronze ASTM B271 Alloy C92200 or 316 Stainless Steel per ASTM A296 and manufactured to be field replaceable without any special tools.

The Pivot Pins shall be 303 stainless steel per ASTM A562. Pivot pin bushings shall be 304 stainless steel per ASTM A296.

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.