

**24-42" (600-1050mm) DeZURIK BOS-US
UNINTERRUPTED SEAT RESILIENT
SEATED BUTTERFLY VALVES
SUGGESTED SPECIFICATION**

APPLICATION DATA 46.01-6

Page 1

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Supersedes August 2014



All valves shall be model BOS-US Resilient Seated Butterfly as manufactured by DeZURIK or approved equal.

Butterfly valves in sizes 24-42" shall have single-offset disc and shall be of the lugged or wafer body style. All valves shall be suitable for use with ASME class 125 or 150 flanges. Valves shall provide bi-directional bubble-tight shutoff at pressures to 175 psi (1210 kPa). When specified, valves shall be NSF/ANSI 372 certified lead-free and NSF/ANSI 61 certified for drinking water.

Discs shall be offset to provide an uninterrupted 360 degree seating edge and shall be ductile iron with a nickel welded edge, 316 stainless steel or bronze. The disc/shaft connection shall utilize tangential pins.

Bodies shall be cast iron. Lugged body valves shall provide bubble-tight shutoff up to the full valve rating on dead end or isolation service without the use of downstream flanges. Wafer valves shall have four flange bolt guides to center the body in the pipeline.

Elastomer seats shall be NBR, EPDM, FKM or EU and be permanently bonded to a bronze seat ring.

Shafts shall be one-piece 416 stainless steel, or 316 stainless steel when using 316 stainless steel disc. Shaft diameters shall meet the AWWA C504, class 75B standard. Multiple V-ring packing with an adjustable gland follower shall be provided to prevent leakage.

Three stainless steel backed shaft bearings shall be provided to ensure smooth, reliable valve operation. Bearings are located adjacent to the top and bottom of the disc, and a third bearing at the top of the valve neck to support loading from actuators.

Gear actuators shall have cast iron weatherproof or buriable construction, and shall have adjustable open and closed position stops. Operating shaft to be supported axially and radially at the input end by permanently lubricated thrust and sleeve bearings.

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.