

Recommended Specifications

KEYSTONE

Figure 106 Resilient Seated Butterfly Valve



General Specification

The valve shall be capable of bi-directional, drop-tight service to 150 psi between flanges, 75 psi dead end.

Flange Mating

Valve body shall be flange type, drilled to meet ANSI Class 125/150 flange standards.

Actuation

Valve body shall have an integrally cast top plate for direct flush-mounting of manual or power actuators.

Seat

The dovetail seat shall ensure drop-tight, bi-directional shutoff. The seat shall fully isolate the valve body, stem and journal areas from the flowing media. A molded in O-ring shall be used on the flange face to eliminate the need for flange gaskets.

Disc

The disc edges and hubs shall be polished to reduce frictional torque. Outside diameter of disc shall be such that, when opened, it will not interfere with adjacent piping.

Stem

The stem shall be one piece.

Disc-Stem Connection

The disc and stem shall be connected by 17-4 stainless steel taper pins and locknuts. This connection shall provide positive engagement, preventing blow-out of the one piece stem, shall maintain a leak-proof and shake-proof connection and allow for quick, easy disassembly.

Loose or slip fit connections between disc and stem are not allowed.

Stem Bearings/Thrust Plate/Packing

The valve shall have upper and lower luberized bronze bearings or brass thrust plate and externally adjustable stem packing.

Materials of Construction

Body: Cast Iron
Carbon Steel
Ductile Iron

Seat: NBR
EPDM
Viton®

Disc: Aluminum-Bronze
316 Stainless Steel
Nodular Iron
Rubber Coated

Stem: 17-4 Stainless Steel

Inboard Stem Bearings:
Luberized Bronze

Stem Packing: NBR

Disc-Stem Connection:
17-4 Stainless Steel

Size Range: 24" - 48"

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