Butterfly Valves

TSC Butterfly Valves can be applied in chemical processing, power plants, refineries, shipbuilding, pulp and paper mills, and wherever positive shut-off is required for clear and slurry fluids. They are an ideal choice for heating, ventilation and air conditioning applications.

STEMS
Upper stems are mill flatted for positive drive and simple installation of handles and actuators. The plate is retained by tangential pins, for increased strength and overall valve integrity when handles or actuators are removed from the valve top.

SEAT
Constructed by bonding the elastomer to a rigid back-up ring, which forms the outside periphery of the seat and is slip fitted in the valve body, the seat is field replaceable without special tools.

STEM JOURNAL
Two self-lubricating bronze bearings reduce torsional friction, and eliminate galling/seizing of the stem, while supporting the stem against side loading from pressure on the closed disc.

DISC
TSC Butterfly Valve Discs and Seats are configured for low pressure drop and high flow coefficients. Full-radius polished edges slide into drop-tight seat engagement with minimal effort.

DISC DRIVE
Proper orientation of the stem/disc connection is assured by the rectangular drive. The disc floats on the stem to perfectly center it in the valve seat.

BODY
One-piece bodies are ribbed to assure high strength with minimal weight. Bodies are cast in both wafer and tapped-lug patterns in a wide variety of material choices to meet a broad range of requirements. Body rating is ANSI Class 150 (285 psi non-shock). Wafer body diameters are designed to self-center in ANSI 150 flange patterns.

For additional information please contact your TSC representative.

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