

Butterfly Valves — Material Variant Table

Butterfly valves use a quarter-turn disc rotating on a central shaft to provide compact, lightweight on/off or throttling control with a low-torque, low-pressure-drop flow path. Their slim face-to-face dimension and lower installed weight make them a cost-effective alternative to gate valves in large-diameter lines. Widely used in water treatment, HVAC and general process isolation duty.

Material Variant	Body / Major Components	Trim (Seat / Disc / Stem)	End Connections	Design Standard	Pressure Rating	Operation	Size Range (NB)
Cast Iron Butterfly Valve (Flanged & Wafer)	Body, Disc: Cast Iron IS 210 Gr. FG 200 / 260	Shaft: SS 410/304/316. Body & Disc Seal: Rubber, or Metal (CF8 / CF8M / LTB2) as per requirement	ANSI 125 / 150 or IS 1538	IS 13095 / BS 5155	PN 1.0 / 1.6 / 2.0	Lever / Geared / Motorised	50 – 1200 mm
Ductile Iron (DI) Butterfly Valve *	Body, Disc: Ductile Iron (GGG40 / SG Iron equivalent)	Shaft: SS 410/304/316. Body & Disc Seal: Rubber, or Metal as per requirement	ANSI 125 / 150 or IS 1538	IS 13095 / BS 5155	PN 1.0 / 1.6 / 2.0	Lever / Geared / Motorised	50 – 1200 mm *
Cast Steel (WCB) Butterfly Valve	Body, Disc: ASTM A216 Gr. WCB	Drive Shaft: SS 304/410/316. Body Seat: Centric — Polymer Rubber; Double Eccentric — SS 304/410/316. Disc Seat: Centric — Integral; Double Eccentric — Polymer Rubber with retainer	Suitable to mount between flanges, or flanged as per requirement	IS 13095 / BS 5155	PN 1.0 / 1.6 / 2.0	Lever / Geared / Motorised	50 – 2000 mm
Stainless Steel (SS 304 / CF8) Butterfly Valve *	Body, Disc: Stainless Steel 304 / CF8	Drive Shaft: SS 304. Body & Disc Seat: per WCB construction pattern above, executed in SS 304	Suitable to mount between flanges, or flanged as per requirement	IS 13095 / BS 5155	PN 1.0 / 1.6 / 2.0	Lever / Geared / Motorised	50 – 2000 mm *
Stainless Steel (SS 316 / CF8M) Butterfly Valve *	Body, Disc: Stainless Steel 316 / CF8M	Drive Shaft: SS 316. Body & Disc Seat: per WCB construction pattern above, executed in SS 316	Suitable to mount between flanges, or flanged as per requirement	IS 13095 / BS 5155	PN 1.0 / 1.6 / 2.0	Lever / Geared / Motorised	50 – 2000 mm *



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