

Material of Constructions for Sleeved Butterfly Valves (Model - 9400)

Sr. No.	Part	Cast / Ductile Iron	Carbon Steel	Low Temp. Steel	Stainless Steel
1	Body	Cast Iron(A126-Gr B)/Ductile Iron (A536 65-45-12),(A395 60-40-18)	ASTM A 216 Gr. WCB	ASTM A 352 Gr.LCB, LCC	ASTM A 351 Gr. CF8 , CF8M
2	Sleeve or Seat	NBR, EPDM	NBR, EPDM	NBR, EPDM	NBR, EPDM
3	Disc	Ductile Iron / A351 Gr. CF8M, Aluminium Bronz , Monel	A351 Gr. CF8M, Aluminium Bronz , Monel	SS316 / Brass	F304 / F316 / Brass
4	Upper Stem	F304 / F316 / 17-4PH / Duplex Steel / Monel	F304 / F316 / 17-4PH / Steel / Monel Duplex	F316 / 17-4PH / Duplex Steel / Monel	F304 / F316 / Duplex Steel / Monel
5	Lower Stem	F304 / F316 / 17-4PH / Duplex Steel / Monel	F304 / F316 / 17-4PH / Steel / Monel Duplex	F316 / 17-4PH / Duplex Steel / Monel	F304 / F316 / Duplex Steel / Monel
6	Disc Pin	F304 / F316 / 17-4PH / Duplex Steel / Monel	F304 / F316 / 17-4PH / Steel / Monel Duplex	F316 / 17-4PH / Duplex Steel / Monel	F304 / F316 / Duplex Steel / Monel
7	Gasket	SPW(SS304, SS316, 410) + GRAPHOIL / PTFE	SPW(SS304, SS316, 410) + GRAPHOIL / PTFE	SPW -SS316 + GRAPHOIL / PTFE	SPW - SS316 + GRAPHOIL / PTFE
8	End Cover	Cast Iron(A126-Gr B)/Ductile Iron (A536 65-45-12),(A395 60-40-18)	ASTM A 216 Gr. WCB	ASTM A 352 Gr.LCB, LCC	ASTM A 351 Gr. CF8 , CF8M
9	End Cover Bolt	ASTM A 193 Gr. B7 , B7M	ASTM A 193 Gr. B7 , B7M	ASTM A 320 L7 , L7M	ASTM A194 Gr. 8, 8M
10	Bearing Bush	SS 304, SS 316, Brass + PTFE	SS 304, SS 316, Brass + PTFE	SS 304, SS 316, Brass + PTFE	SS 304, SS 316, Brass + PTFE
11	Spreader	.	SS 304, SS 316, Brass , PTFE	SS 316, Brass , PTFE	CF8, CF8M, SS304, SS316
12	Gland Packing	PTFE	PTFE	PTFE	PTFE
13	Gland Bush	F304 / F316 / 17-4PH / Duplex Steel / Monel	F304 / F316 / 17-4PH / Steel / Monel Duplex	F316 / 17-4PH / Duplex Steel / Monel	F304 / F316 / Duplex Steel / Monel
14	Gland Bolt	ASTM A 193 Gr. B7	ASTM A 193 Gr. B7 , B7M	ASTM A 320 L7 , L7M	ASTM A194 Gr. 8, 8M
15	Gear Operator	Standrd	Standrd	Standrd	Standrd
16	Gear Operator Bolt	ASTM A 193 Gr. B7	ASTM A 193 Gr. B7	ASTM A 320 L7 , L7M	ASTM A194 Gr. 8, 8M
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NOTE :- ** Other materials are available on request.
 ** For 6" (150mm) and below gasket design is not available.
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