

Butterfly Valve

AIP offers rubber lined Butterfly Valves for HVAC / Plumbing / Fire Fighting. These valves are truly 'Fit & Forget Valve', which requires minimum maintenance. The body lines which also functions as the soft seat, comes in an integrally moulded version & offers bi-directional sealing against vacuum upto the pressure of PN 10 / PN 16.

Size Range: 1½" to 48"

Technical Specifications:

Body	ASTM - A 126 Grade B (Gry Iron) ASTM - A 216 Grade WCB (Cast Steel) ASTM - A 536 Grade 65-45-12 (Ductile Iron) ASTM - A 351 Grade CF8/CF8M/CF3M/CD4MCuN
Disc	ASTM - A 126 Grade B (Gry Iron)+Power Coated ASTM - A 216 Grade WCB (Cast Steel)+Power Coated ASTM - A 536 Grade 65-45-12 (Ductile Iron)+Power Coated ASTM - A 351 Grade CF8/CF8M/CF3M/CD4MCuN S.G. Iron With Teflon/Powder/Nylon Coated & Rubber Line ALUMINIUM / CAST / CI / SS / DI
Seat	Nitrile / EPDM / Viton / Hypelon / Silicon / Neopren
Shaft	AISI 410 / AISI 304 / AISI 316 / AISI 316L
Valve Type	Centric Disc Butterfly Valve With Single Piece Rubber Lined Body
Body Type	Short Wafer Type
Seat Type	Integrally Moulded With The Body (Renewable Seat)
End Connection	Wafer type Suit 150#, Table 'D', Table 'E' & IS 6392 Table 11 (PN 10/16)
Pressure Rating	PN 10 / PN 16 (PN 20 On Request)
Oper. Temp. Range	-20 oC to 80 oC for Nitrile Seat / - 12 oC to 120 oC
Seat Leakage	Tight Shut Off
Operation	Lever Operated / Gear Operated / Chain Wheel Operated / Extended Shaft

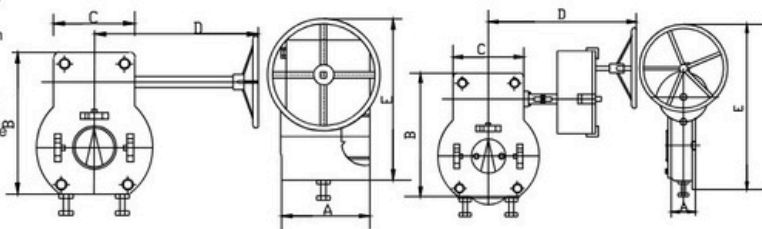


IS:13095



CM/L-9616185

- Integrally moulded seal liner on the body, which ensures excellent dimensional stability & guaranteed seat tightness.
- Seal liner extending on to the contact faces ensures perfect sealing and eliminates the need for separate flange gaskets.
- Narrow land disc ensures perfect sealing with least operating torque requirements.
- A fully universal body design ensures fitting of the valve between companion flanges of all popular standards (viz : ANSI, BS, DIN, JIS, IS etc.)
- The notch disc & band lever ensures locking of the valve in 8 intermediate position in addition to close and open position. Hand lever can be locked through pad lock.
- Body casting made of superior FG grade cast iron to ensure additional strength.
- Valve disc made of stainless steel / ductile cast iron which enable protection against possible water hammer or pressure surges.
- A truly line size body bore to ensure maximum flow capacity with the lowest pressure drop.



Standard:

- Design And Manufacturing: : API category A/IS : 13095/BS EN 593
Valve Face to Face Dimensions: : Short wafer as per ISO 5752 TAB 5 / API 609/Category A/ISO 5759 TAB 1 (BS 5155)
- Flange Standard Conformity : ASME B 16.5 / ASME B 16.47 Class150, BS10 TAB D, E & F
- Inspection & Testing : API 598 / BS EN 12266-1
Top Flange Drilling : ISO 5211

Dimensions:

Valve Model	Valve Size	Port	A	B	C	(REEB) ØD	Weight (Approx)	PCD	Tapped
MM	Inch								
AIP - IC - 40	40 1.1/2"	40	57	106	34	81.5	--	--	--
AIP - IC - 50	50 2"	50	64	117	44	95	--	--	--
AIP - IC - 65	65 2.1/2"	65	73	128	46	108	--	--	--
AIP - IC - 80	80 3"	80	78	129.5	46	124	--	--	--
AIP - IC - 100	100 4"	100	99.5	150	52	150	--	--	--
AIP - IC - 125	125 5"	125	113	161	56	182	--	--	--
AIP - IC - 150	150 6"	150	123.5	177	56	207	--	--	--
AIP - IC - 200	200 8"	200	156	206	60	258.5	--	--	--
AIP - IC - 250	250 10"	241	220	266	68	--	30.100	--	--
AIP - IC - 300	300 12"	286	246	287	78	--	37.500	--	--
AIP - IC - 350	350 14"	333	270	304	78	443	43.650	--	--
AIP - IC - 400	400 16"	382	295	365	102	488	65.950	--	--
AIP - IC - 450	450 18"	433	331	382	114	562	99.250	577.9	1.1/8" UNC
AIP - IC - 500	500 20"	476	371	420	127	600	136.000	635	1.1/8" UNC
AIP - IC - 600	600 24"	590	444	488	154	695	550.000	749.3	1.1/4" UNC
AIP - IC - 650	65 0 26"	635	463	497	165	57	208.500	806.4	1.1/4" UNC
AIP - IC - 700	700 28"	680	497	532	165	811	245.700	863.6	1.1/4" UNC
AIP - IC - 750	750 30"	725	534	580	190	881	313.850	914.4	1.1/4" UNC
AIP - IC - 800	800 32"	785	569	618	190	933	375.950	977.9	1.1/2" UNC
AIP - IC - 850	850 34"	810	615	645	190	989	449.550	1028.7	1.1/2" UNC
AIP - IC - 900	900 36"	885	665	695	203	1039	--	1085.8	1.1/2" UNC
AIP - IC - 950	950 38"	935	684	703	216	1105	559.750	1149.4	1.1/2" UNC
AIP - IC - 1000	1000 40"	965	723	732	216	1145	--	1200.2	1.1/2" UNC
AIP - IC - 1100	1100 44"	1145	797.5	797.5	254	1260	--	1314.4	1.1/2" UNC
AIP - IC - 1200	1200 48"	1170	841	851	254	1364	--	1422.4	1.1/2" UNC

Dimensions:

(All Dimensions are in mm)

Valve Model	Valve Size	Torque (NM)	A	B	C	D	E
AIP - 20	1.1/2" TO 8"	250	48	110	78	180	181
AIP - 25	10" TO 12"	500	62	136	98	240	233
AIP - 30	14" TO 16"	700	68	180	119	285	318
AIP - 40	-	1000	83	176	116	300	318
AIP - 50	18"	1500	75	202	140	305	409
AIP - 60	20" TO 22"	2200	84	214	180	320	425
AIP - 70	24" TO 26"	3500	115	294	240	370	478
AIP - 70/3/S1	30" TO 34"	7000	111	331	208	350	583
AIP - 100/1/S1	36" TO 46"	10500	123	294	240	395	568
AIP - 250/2/S2	48"	22500	112	331	208	381	647

