

Hi **Hi-TECH**
ALWAYS AHEAD
ISO 9000 CERTIFIED CO.



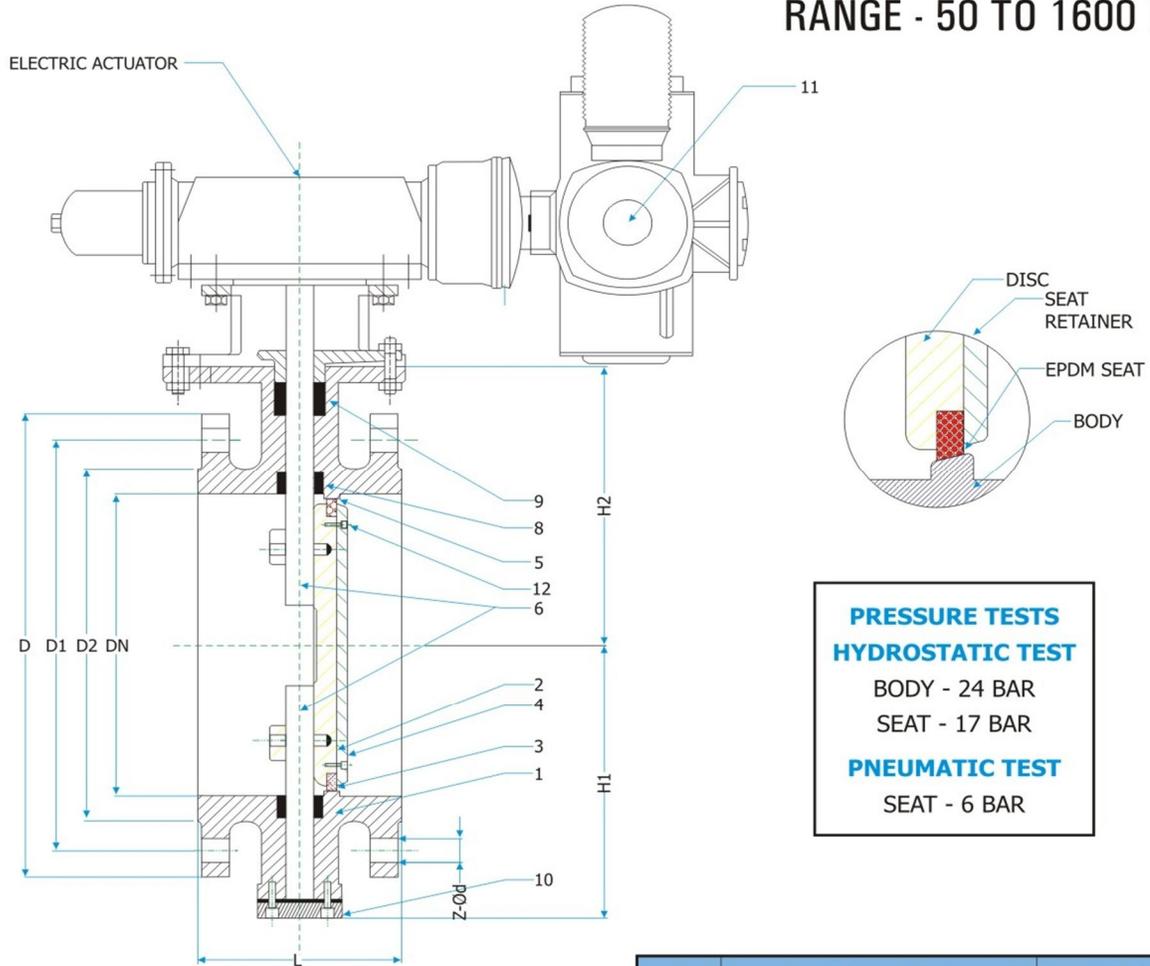
Hi-TECH BUTTERFLY VALVES INDIA PVT. LTD.





Hi-Tech Double Offset Rubber Seated Butterfly Valve

(PRESSURE RATING #PN-6)
RANGE - 50 TO 1600 MM



PRESSURE TESTS
HYDROSTATIC TEST
 BODY - 24 BAR
 SEAT - 17 BAR
PNEUMATIC TEST
 SEAT - 6 BAR

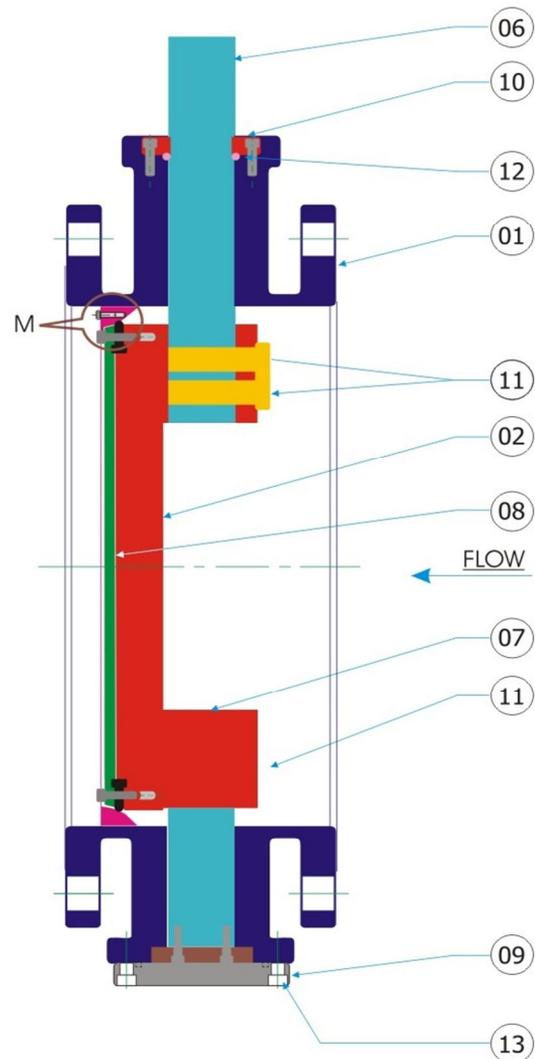
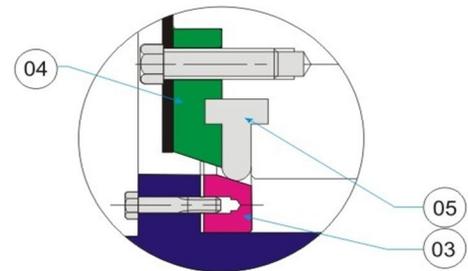
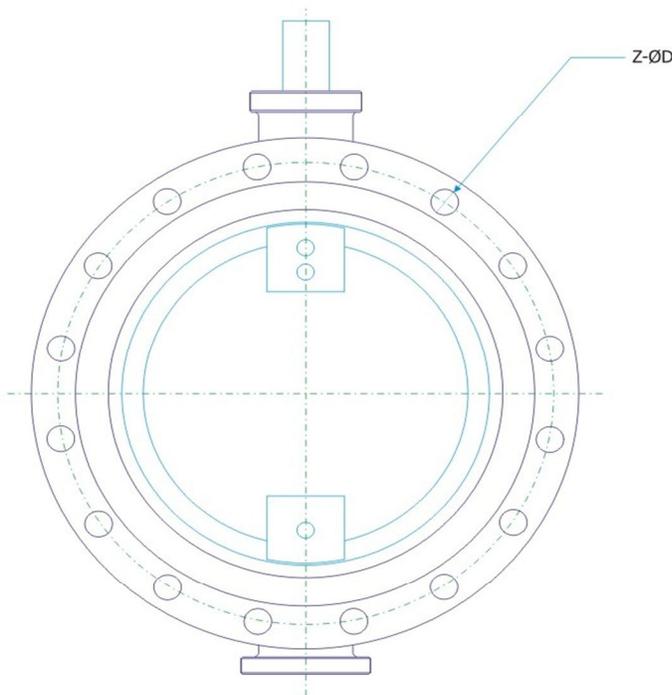
DESIGN DETAILS	
Mfg. Standard	: AWWA C 504
Face to Face	: AWWA C 504
End Connection	: FLANGED
Pressure Class	: 150#
Leakage Class	: VI - 100% Bubble Tight Shutt off
Max. Working Pressure	: 16 Kg/cm ²
Max. Working Temperature	: 125° Cel.
Testing Standard	: API - 598

Item	Name of Component	Material
1	Body	A 216 GR. WCB
2	Disc	A 216 GR WCB
3	Disc Seat	EPDM
4	Seat Retainer Ring	SS 316
5	Body Seat	SS 316
6	Shaft (Top & Bottom)	SS 410 / SS 420
7	Shaft Bush Bearing	BRASS / SS 316
8	Body Bush Bearing	BRASS / SS 316
9	Gland Packing	PTFE
10	Gland Follower	SS 316
11	Actuator	ELECTRIC
12	Fasteners	SS 316



Hi-Tech Double Offset Butterfly Valve

(PRESSURE RATING #PN 16)
RANGE 50 TO 1600 MM

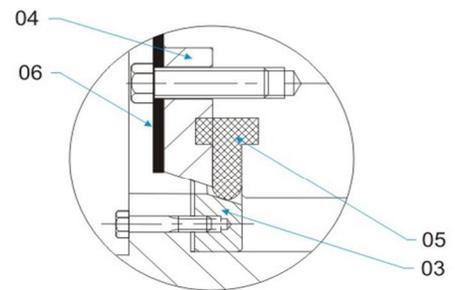
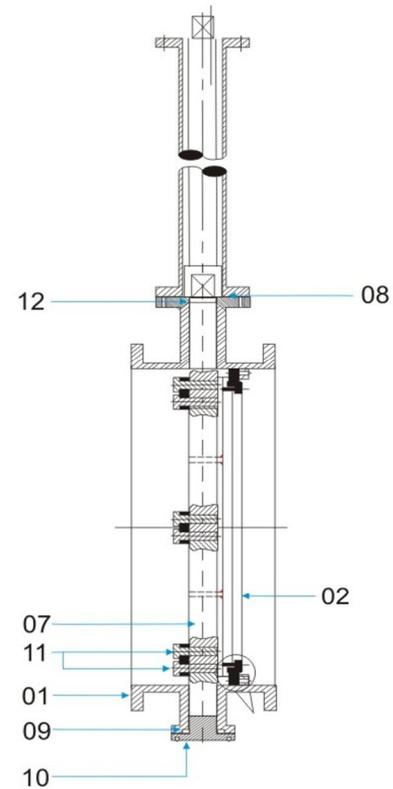
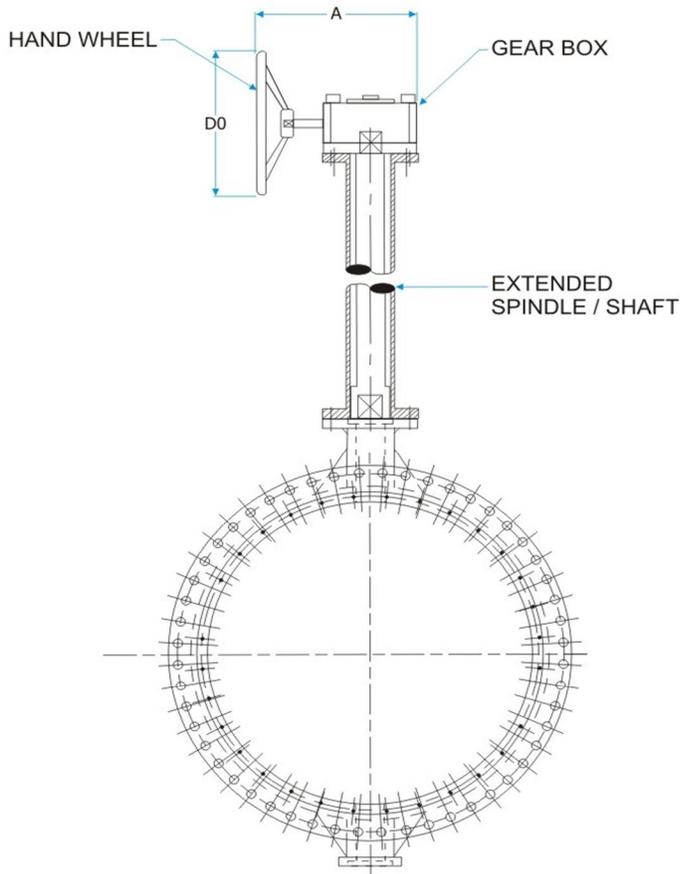


Sr.	Description	Material
1	Body	C.S. IS 2062 B
2	Disc	C.S. IS 2062 B
3	Retainer Ring (body)	S.S. AISI 304L
4	Retainer Ring (disc)	CS IS 2062 B
5	Seat	EPDM/VITON/ NITRILE RUBBER
6	Drive Shaft	S.S. AISI 410
7	Driven Shaft	S.S. AISI 410
8	Locator Ring	C.I. / C.S.
9	Bottom Cover	C.I. / C.S.
10	Top Cover	C.I. / C.S.
11	Pins	SS AISI 410
12	O'rings	EPDM
13	Fasteners	SS 316



Hi-tech Double Offset Soft Seated Butterfly Valve

(PRESSURE RATING #PN 10)
RANGE - 50 TO 1600 MM



Sr.	DESCRIPTION	MATERIAL
1	Main Body	C.S ASTM A216 GR. WCB
2	Disc	C.S. ASTM A217 GR. CA15
3	Retainer Ring (Body)	S.S. 316
4	Retainer Ring (Disc)	S.S. 316
5	Seat	E P D M
6	Gasket	E P D M
7	Shaft	C.S. ASTM A135
8	Top Cover	C.S ASTM A216 GR. WCB
9	Locator Ring	M.S.
10	Bottom Cover	C.S ASTM A216 GR. WCB
11	Pins	S.S. 316
12	O' Ring	E P D M



SPECIFICATIONS

1. BODY	:	CARBON STEEL ASTM A 216 GR. WCB / SS-304 / SS-316 - SINGLE PIECE
2. DISC	:	CARBON STEEL ASTM A 216 GR. WCB / SS-304 / SS-316 - SINGLE PIECE
3. DISC SEAT	:	EPDM / NBR / VITON / NEOPRENE / BUTYLE - IN SINGLE PIECE ONLY (MOULDED)
4. SEAT RETAINER RING	:	SS-316 / A216 GR. WCB / SS-304 - IN SINGLE PIECE ONLY
5. BODY SEAT	:	SS-316 / SS-304 / A216 GR. WCB
6. SHAFT (TOP & BOTTOM)	:	SS-410 OR SS-420 - SS-304/SS-316
7. SHAFT BUSH BEARING	:	BRASS OR SS-316
8. BODY BUSH BEARING	:	BRASS OR SS-316
9. GLAND PACKING	:	PTFE
10. GLAND FOLLOWER	:	SS-316
11. ACTUATOR	:	GEAR OPERATED / MOTOR OPERATED / PNEUMATICALLY OPERATED
12. FASTENERS OF RETAINING RING	:	SS - 316
13. FACE TO FACE	:	AWWA C-504
14. END CONNECTION	:	FLANGED END
15. DRILLING	:	AS PER REQUIREMENT
16. PRESSURE CLASS	:	AWWA 75, 150, 250
17. VALVE RATING	:	PN - 06 / PN - 10 / PN - 16
18. LEAKAGE CLASS	:	BUBBLE TIGHT SHUTT OFF
19. FLANGES	:	RAISED FACE TYPE
20. MAX. WORKING TEMPERATURE	:	180 DEG. CEL.
21. MFG. STANDARD	:	AWWA C-504
22. TESTING STANDARD	:	API - 598
23. DESIGN PRESSURE	:	19 KG/CM2
24. DESIGN TEMPERATURE	:	240 DEG. CEL.
25. HYDROSTATIC BODY TEST	:	24 BAR
26. HYDROSTATIC SEAT TEST	:	17 BAR
27. PNEUMATIC SEAT TEST	:	6 BAR
28. INSTALLATION	:	VERTICAL / HORIZONTAL
29. DETAILS OF ELECTRICAL ACTUATOR ARE AS UNDER		

SPECIFICATION OF ACTUATOR FOR MOTORISED VALVE

1. MAKE	:	AUMA
2. OUTPUT MOTION	:	ROTARY
3. OTHER FUNCTIONS	:	
A.		DECLUTCHING LEVER FOR MANUAL OPERATION
B.		HAND WHEEL FOR MANUAL OPERATION.
C.		POSITION INDICATOR.
D.		OPEN/CLOSE LIMIT SWITCHES.
E.		TORQUE LIMIT SWITCHES.
F.		EACH LIMIT SWITCH IS HAVING 2 NO/ 2 NC CONTACT SWITCH FOR 10 Amp. AT 240 VG.
G.		MOTOR TERMINALS AND LIMITS WITCH CONTACTS SHALL WE WIRED UP TO A TERMINAL BOX TO BE MOUNTED ON THE VALVE ACTUATOR.



DIMENSION TABLE FOR DOUBLE OFFSET BUTTERFLY VALVES

SIZE	DN	L	D	D1	D2	H1	H2	A	D0	Z-ØD
50	50	127	152	120	92	115	265	200	160	4-18
65	65	127	178	140	105	125	275	200	160	4-18
80	80	127	190	152	127	130	280	220	160	4-18
100	100	127	229	190	157	145	295	240	160	8-18
125	125	127	254	216	186	175	325	260	160	8-20
150	150	127	280	241	216	180	330	280	240	8-20
200	200	152	344	298	270	215	365	320	240	8-20
250	250	203	406	362	324	250	400	360	240	12-23
300	300	203	483	432	381	290	440	460	310	12-23
350	350	203	533	476	413	305	455	500	310	12-27
400	400	203	597	540	470	340	490	540	310	16-27
450	450	203	637	578	538	380	530	580	310	16-30
500	500	203	698	635	584	410	560	620	310	20-30
600	600	203	813	749	698	480	630	660	310	20-33
700	700	305	837	795	762	535	685	750	400	40-22
800	800	305	941	899	864	590	740	800	400	48-22
900	900	305	1057	1010	971.5	630	780	850	400	44-25.4
1000	1000	305	1175	1121	1079.5	690	840	1000	500	44-28.5
1200	1200	381	1392	1335	1289	875	1025	1050	500	44-32
1400	1400	381	1600	1543	1492	975	1125	1050	600	60-32
1600	1600	381	1915	1820	1750	1100	1250	1050	600	40-48



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