

FIRST / THIRD ANGLE PROJECTION

DO NOT SCALE ASK IN CASE OF DOUBT

REMOVE ALL BURRS & SHARP EDGES

MATERIALS OF CONSTRUCTION

ITEM	DESCRIPTION	MATERIAL	SPECIFICATION
1	BODY	CAST IRON	IS:210 Gr. FG-200
2	DISC (Epoxy Coating)		
3	RACHET	C.I. / M.S.	IS:210 / IS:2062
4	LEVER		
5	LINING/SEATING	NITRILE/EPDM RUBBER	-
6	SHAFT 'O' RING		
7	SHAFT	STAINLESS STEEL	AISI-410
8	PIN	STAINLESS STEEL	AISI-304
9	BUSH	L.T. BRONZE	IS:318 Gr. 2
10	BOLTS & NUTS	CARBON STEEL	IS:1367
11	WORM GEAR UNIT	MFR'S STD.	-
12	HAND WHEEL	C.I. / FAB. STEEL	IS:210 / IS:2062
13	INDICATOR	MFR'S STD.	-

HYDROSTATIC TEST PRESSURE :-

BODY TEST PRESSURE :- 15 Kg./Sq.Cm.(g) WITH WATER DURATION 5 MIN.

SEAT TEST PRESSURE :- 10 Kg./Sq.Cm.(g) WITH WATER DURATION 2 MIN.

- NOTES
1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE STATED.
 2. THE WAFER TYPE RUBBER LINED TIGHT SHUT-OFF DESIGN BUTTERFLY VALVES AS PER IS:13095/91 (MANUALLY OPERATED)
 3. FACE TO FACE DIMENSIONS GIVEN AS COMPRESSED CONDITION AFTER INSTALLATION, RUBBER LINING EXTENDED OVER THE FLANGE FACE 2-3MM WHICH ACTS AS RUBBER GASKET.
 4. THE VALVES SUITABLE FOR FITMENT BETWEEN MATCHING FLANGES AS PER IS/BS/ANSI OR ANY OTHER STD.
 5. BODY LINING/SEATING MAY BE INTEGRALLY MOULDED. (REPLACIBLE)
 6. VALVES SHOULD CLOSED WITH CLOCKWISE TURN OF LEVER OPERATION
 7. THE LUG HOLES IS PURPOSE FOR BOLTS / STUDS TO PASS ACROSS THE VALVE FOR TIGHTENING IN BETWEEN FLANGES, AND IT IS MADE OVAL SHAPE FOR ADJUSTMENT OF BOLT CIRCLE DIA.
 8. EXTERNAL SURFACES OF VALVE SHALL BE PAINTED WITH ONE COAT OF ZINC BASE PRIMER AFTER COMPLETELY CLEANING THE SURFACE & THEN IT SHALL BE COATED WITH TWO COATS OF BLACK BITUMINOUS PAINT.
 9. MARKING:- BRAND NAME/ SIZE/ RATING/ HEAT NO. & SL. NO.
 10. SCOPE OF INSPECTION :- i) DIMENSIONAL & VISUAL ii) HYDRO TEST FOR BODY & SEAT iii) MATERIALS TEST REPORT (PHYSICAL & CHEMICAL)

CLIENT'S REF.

PROJECT
P.O. NO.
CONTRACTOR
PURCHASER
INSPECTION

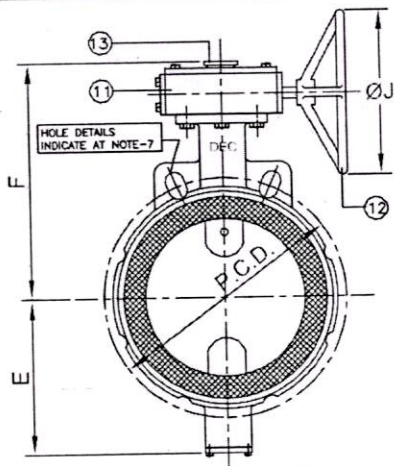
	2011	INITIAL	DATE	SIGNATURE
DRAWN	S.K.S.	02.07.2025		
CHECKED	C.R.M.	02.07.2025		
APPROVED	P.HAZRA	02.07.2025		
JOB	DOSHION-9033			
9033	SCALE : N.T.S.			

SUPER

TITLE : CAST IRON WAFER TYPE BUTTERFLY VALVE
(MOTOR ACTUATED WITH MANUAL OVERRIDE)

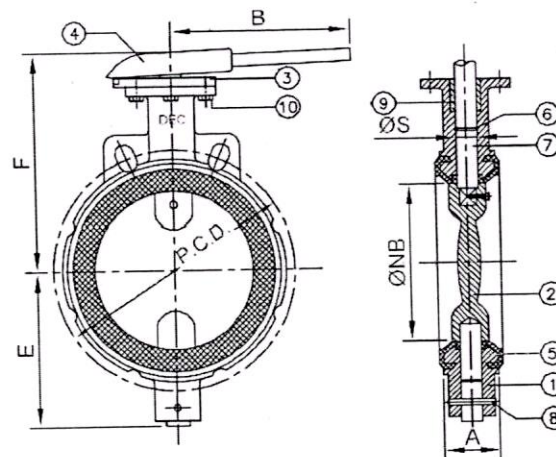
DRAWING NO.: SVMC/BFV/16/2025-2026

REV. 0



GEAR OPERATED

FOR 350 NB & ABOVE



LEVER OPERATED

BY GEAR	600	Ø590	154	Ø50	425	640	-	400
	500	Ø490	127	Ø47	375	560	-	400
	450	Ø440	114	Ø42	365	525	-	400
	400	Ø390	102	Ø40	340	500	-	400
	350	Ø340	78	Ø38	310	470	-	400
	300	Ø300	78	Ø28	255	425	-	250
	250	Ø250	68	Ø28	225	365	-	250
BY LEVER	200	Ø200	60	Ø28	185	305	400	-
	150	Ø150	56	Ø25	155	245	300	-
	125	Ø125	56	Ø22	130	225	300	-
	100	Ø100	52	Ø19	115	205	250	-
	80	Ø80	46	Ø14	95	180	250	-
	50	Ø50	43	Ø14	70	165	200	-
OPERATING DEVICE	MM	ØNB	A±1	ØS±1	E	F	B±10	ØJ
	VALVE SIZE	NOMINAL BORE	FACE TO FACE	SHAFT DIA	HEIGHT (Approx)	LENGTH OF LEVER	HAND WHEEL DIA	



REFERENCE DRAWING

REVISION

0	-	SKS	15/03/06	ISSUED FOR APPROVAL
REV	ZONE	APPVD BY	DATE	PARTICULARS