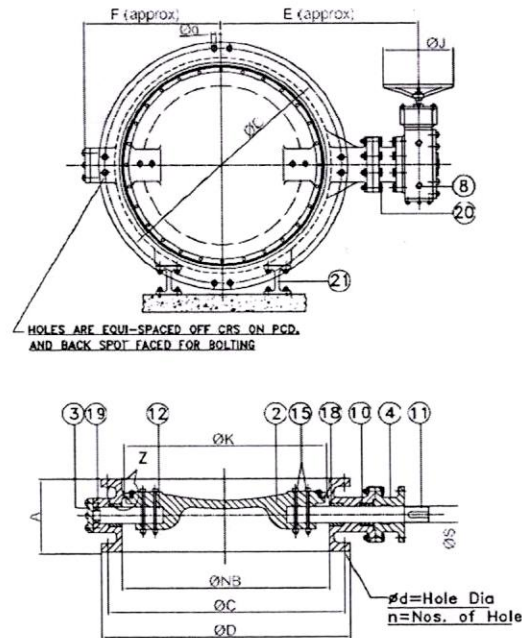
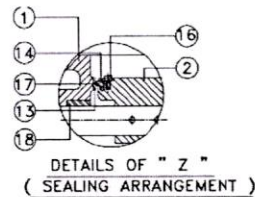
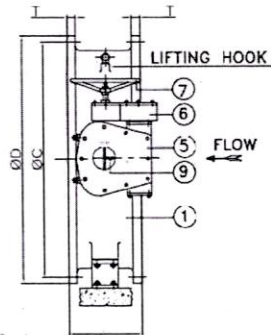


FIRST / THIRD ANGLE PROJECTION

DO NOT SCALE ASK IN CASE OF DOUBT

REMOVE ALL BURRS & SHARP EDGES



PN RATING-1.0

150	285	400	27.5	23	5	140±2	325	195	250	
200	340	295	24.5	23	8	152±2	355	230	400	
250	395	350	26	23	12	165±2	390	260	250	
300	445	400	27.5	23	12	178±1	425	270	400	
350	505	460	29	23	16	190±1	450	320	400	
400	565	515	30	25	16	216±3	450	340	300	
450	615	565	32	28	20	222±2	510	370	250	
500	670	620	33	28	20	229±2	570	410	250	
600	780	725	36	31	20	267±4	560	470	600	
700	895	840	38.5	31	24	292±4	580	540	400	
750	960	900	40	31	24	305±2	740	580	400	
800	1015	950	41.5	34	24	318±2	770	615	400	
900	1115	1050	44	34	28	330±5	880	660	500	
1000	1230	1160	47	37	28	410±5	930	720	500	
1100	1340	1270	50	37	32	440±8	1000	810	640	
1200	1455	1380	53	40	32	470±6	1110	840	640	
1400	1675	1590	62	42	36	530±3	900	1310	640	
1600	1915	1820	68	48	40	600±6	1560	1070	640	
1800	2130	2020	68±2	56	44	490±3	1390	1210	720	
2000	2345	2230	68±2	52	48	540±8	1690	1320	720	
NB	FD	FC	T	PH	1	A	E	F	NJ	
VALVE	SIZE	FLANGE DIMENSIONS				FACE TO FACE	DIMENS ON OF (Approx)	HAND	SL. NO.	

VALVE	TYPE	STANDARD	RATING	FLANGED ENDS	OPERATION
BUTTERFLY	TIGHT SHUT-OFF	BS 5155	PN 1.0	as stated below	MANUAL

MATERIALS OF CONSTRUCTION

ITEM	DESCRIPTION	MATERIAL	SPECIFICATION
1	BODY	CAST IRON	IS:210 Gr. FG-260
2	DISC		
3	END COVER		
4	HOUSING		
5	WORM GEAR BOX	MFR'S STD.	Model : DWG-5
6	SPUR GEAR BOX		Model : DSG-2
7	HAND WHEEL	M.S./Fab. Steel	IS:2062 Gr. A
8	STOPPER LOCK	CARBON STEEL	-
9	INDICATOR	MFR'S STD.	-
10	'O' RING (for Shaft)	NITRILE RUBBER	SHORE HARDNESS 55'-65'
11	DRIVE SHAFT	STAINLESS STEEL	AISI - 410
12	STUB SHAFT		
13	BODY SEAT RING	STAINLESS STEEL	AISI - 304
14	SEAL RETAINING RING		
15	FIXING BOLTS	STAINLESS STEEL	AISI - 304
16	SET SCREW		
17	DISC SEAL	NITRILE RUBBER	SHORE HARDNESS 55'-65'
18	BEARING BUSHES	PHOSPHOUR BRONZE	-
19	THRUST PAD		
20	BOLTS & NUTS	CARBON STEEL	IS:1367
22	CHASIS	M.S. FAB.	IS:2062 Gr. A

NOTE:-

- ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE STATED.
- VALVES CONFIRMS TO BS 5155 (MANUALLY OPERATED).
- VALVE SHALL BE TIGHT SHUT-OFF CLOSURES FOR FREQUENT OPERATION.
- FLANGED ENDS SHALL BE FLAT FACED & DRILLED TO COUNTER FLANGE DETAILS AS MENTION IN CLIENT'S SPEC.
- THE VALVES SHALL BE CAPABLE OF OPENING IN COUNTER CLOCKWISE DIRECTION BY HAND WHEEL OPERATION.
- ALL INTERNAL & EXTERNAL SURFACES OF VALVE SHALL BE PAINTED WITH TWO (2) COATS OF PRIMERS AND TWO (2) COATS OF FINAL PAINTING OF APPROVED QUALITY COLOUR.
- MARKING:- BRAND NAME/SIZE/PN-RATING/HEAT NO. & SL. NO.
- BODY HYDRO TEST PRESSURE 15Kg/Sq.Cm. WITH WATER DURATION 5 Min.
- SEAT HYDRO TEST PRESSURE 10KG/Sq.Cm. WITH WATER DURATION 2 Min.

SCOPE OF INSPECTION :-

- # DIMENSIONAL & VISUAL
- # PERFORMANCE TEST
- # HYDRO TEST PRESSURE FOR BODY & SEAT TO BE CHECKED BY CLIENT
- # INTERNAL TEST REPORT OF MATERIALS (PHYSICAL & CHEMICAL) TO BE REVIEWED BY CLIENT/INSP. AGENCY



2012	NAME	DATE
DRWN	K.D	02.07.2025
CHKD	M.S	02.07.2025
APVD	P.H	02.07.2025
JOB	ENQ.	

SUPER

MATERIAL : AS STATED
SCALE : NOT TO SCALE

TITLE : CAST IRON FLANGED ENDS BUTTERFLY VALVE (Manually Operated)

DRAWING NO.: SVMC/BFV/14/2025-2026 REV. 0

REFERENCE DRAWING

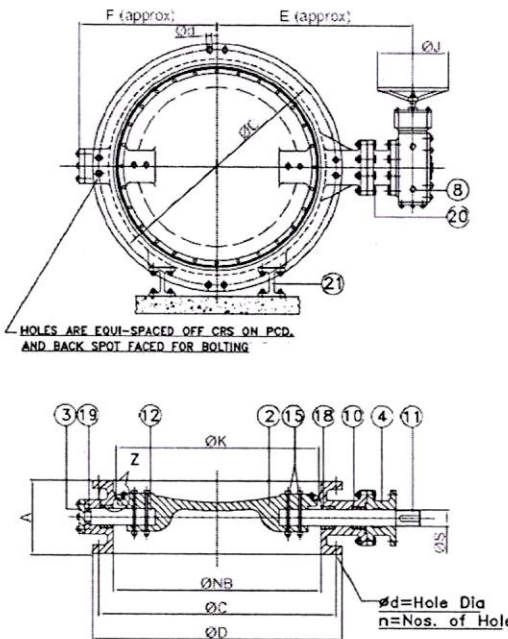
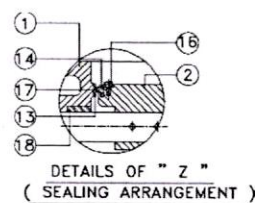
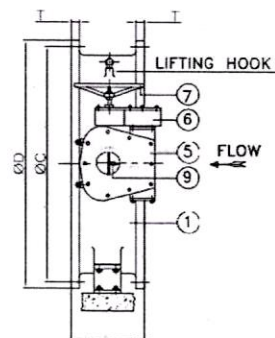
REVISION

REV ZONE APPVD BY DATE PARTICULARS

FIRST / THIRD ANGLE PROJECTION

DO NOT SCALE ASK IN CASE OF DOUBT

REMOVE ALL BURRS & SHARP EDGES



PN RATING-1.6

150	285	400	27.5	23	5	140±2	325	195	250	
200	340	295	24.5	23	8	152±2	355	230	400	
250	395	350	26	23	12	165±2	390	260	250	
300	445	400	27.5	23	12	178±1	425	270	400	
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2000	2345	2230	68±2	52	48	540±6	1690	1320	720	
NB	PD	PC	T	TH	TI	A	C	F	BJ	
VALVE	SIZE	FLANGE DIMENSIONS				FACE TO FACE	DIMENSION OF FACE	HAND	SL. NO.	

VALVE	TYPE	STANDARD	RATING	FLANGED ENDS	OPERATION
BUTTERFLY	TIGHT SHUT-OFF	BS 5155	PN 1.6	as stated below	MANUAL

MATERIALS OF CONSTRUCTION

ITEM	DESCRIPTION	MATERIAL	SPECIFICATION
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7	HAND WHEEL	M.S./Fab. Steel	IS:2062 Gr. A
8	STOPPER LOCK	CARBON STEEL	-
9	INDICATOR	MFR'S STD.	-
10	'O' RING (for Shaft)	NITRILE RUBBER	SHORE HARDNESS 55'-65'
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13	BODY SEAT RING	STAINLESS STEEL	AISI - 304
14	SEAL RETAINING RING		
15	FIXING BOLTS	STAINLESS STEEL	AISI - 304
16	SET SCREW		
17	DISC SEAL	NITRILE RUBBER	SHORE HARDNESS 55'-65'
18	BEARING BUSHES	PHOSPHOR BRONZE	-
19	THRUST PAD		
20	BOLTS & NUTS	CARBON STEEL	IS:1367
22	CHASIS	M.S. FAB.	IS:2062 Gr. A

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- MARKING:- BRAND NAME/SIZE/PN-RATING/HEAT NO. & SL. NO.
- BODY HYDRO TEST PRESSURE 24Kg/Sq.Cm. WITH WATER DURATION 5 Min.
- SEAT HYDRO TEST PRESSURE 16KG/Sq.Cm. WITH WATER DURATION 2 Min.

SCOPE OF INSPECTION :-

- # DIMENSIONAL & VISUAL
- # PERFORMANCE TEST
- # HYDRO TEST PRESSURE FOR BODY & SEAT TO BE CHECKED BY CLIENT
- # INTERNAL TEST REPORT OF MATERIALS (PHYSICAL & CHEMICAL) TO BE REVIEWED BY CLIENT/INSP. AGENCY

2012	NAME	DATE
DRWN	K.D	02.07.2025
CHKD	M.S	02.07.2025
APVD	P.H	02.07.2025
JOB	ENQ.	

SUPER

MATERIAL : AS STATED TITLE : CAST IRON FLANGED ENDS BUTTERFLY VALVE (Manually Operated)

SCALE : NOT TO SCALE

DRAWING NO.: SVMC/BFV/15/2025-2026 REV. 0

REFERENCE DRAWING

REVISION

REV ZONE APPVD BY DATE PARTICULARS