



**Applicable Standards:-**

Design And Manufacturing	:	API 609
Valve Face To Face Dimensio	:	API 609 Category B
Flange Standard Conformity	:	ASME/ANSI B 16.5
Inspection & Testing	:	API 598
Pressure Temperature Rating	:	ANSI B16.34
Top Flange Dimension	:	Bolt Hole ISO 5211
Stem Dimension	:	Square Drive to ISO 5211
Leakage Class	:	Class IV & Class VI as per ANSI B16.104

**Material of Construction :-**

Construction Type	:	Double Eccentric Disc Design
Body	:	ASTM A-216,gr-WCB , ASTM A- 351 gr.CF8/ CF8M
Disc	:	ASTM A-216,gr-WCB , ASTM A- 351 gr.CF8/ CF8M
Seat	:	PTFE / GFT / VITON
Shaft	:	AISI 410 / AISI 304 / AISI 316
Pressure Rating	:	PN10 / PN16
End Connection	:	Wafer SandWiched
Oprating Temp. Range	:	-25° C to 180° C
Operation	:	Lever Operated, Manual Worm Gear, Pneumatic Actuator & Electrical Actuator.

Valve Size	A	ØB	C	ØD	E	F
2" (50mm)	45	51	58	98	90	180
2½" (65mm)	48	61	63	115	102	180
3" (80mm)	48	72	70	131	120	215
4" (100mm)	54	100	86	159	134	215
5" (125mm)	57	123	105	188	154	265
6" (150mm)	57	143	120	219	170	265
8" (200mm)	63	192	145	272	200	325
10" (250mm)	72	240	175	325	230	G.Op

11	Lever	M.S.
10	L.N. Bolt	M.S./S.S. 304/S.S.316
9	Flap Stem Cover	WCB/CF8/CF8M
8	Gland Packing	PTFE
7	Gland	AISI 410/304/316
6	Shaft Bearing Bush	AISI 410/304/316
5	Shaft	AISI 410/304/316
4	Seat Ring	PTFE / GFT / VITON
3	Retainer	WCB/CF8/CF8M
2	Disc	CF8/CF8M
1	Body	WCB/CF8/CF8M
<b>No.</b>	<b>Description</b>	<b>Material</b>

P.O. NO.	P.O. DATE	DRAWN BY	CHD. BY	APPD. BY	DATE	SCALE
		ABDUL	<i>D. S. Shankh</i>		29/11/2016	NTS.
CLIENT NAME :						
<small>* All sharp corner should be removed. * All dimensions are in mm. Unless otherwise specified.</small>			Symbol	Ra Value	Specification	
UN SPECIFIED TOLERANCES			~	-	ROUGH	
0.5 TO 75	±0.1	▽	8 to 25 µm	MEDIUM		
76 TO 150	±0.15	▽▽	1.6 to 8 µm	FINE MACHINED		
151 TO ABOVE	±0.2	▽▽▽	0.025 to 1.6 µm	FINE GROUND		
			▽▽▽▽	< 0.025 µm	LAPPED	
D:\BSDV\DIM DRG.140 TO 200MM DIMENSION DRAWING LEVER OPERATED						
DRG. NO.		BSDV -50 - 250 - 01			SHEET : 01 OF 01	



**VALSON VALVES MFG. CO.**  
AHMEDABAD - 2.  
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**Dimension Drg. Of ( 2" TO 10" )  
Lever Operated Spherical Disc Valve**