MODENTIC

Three Piece High Pressure Socket Weld Ball Valve, Full Bore, PN210

Fig no. HPV-40 Full Bore

1/4" ~ 2" DN 8- DN 50

Features :

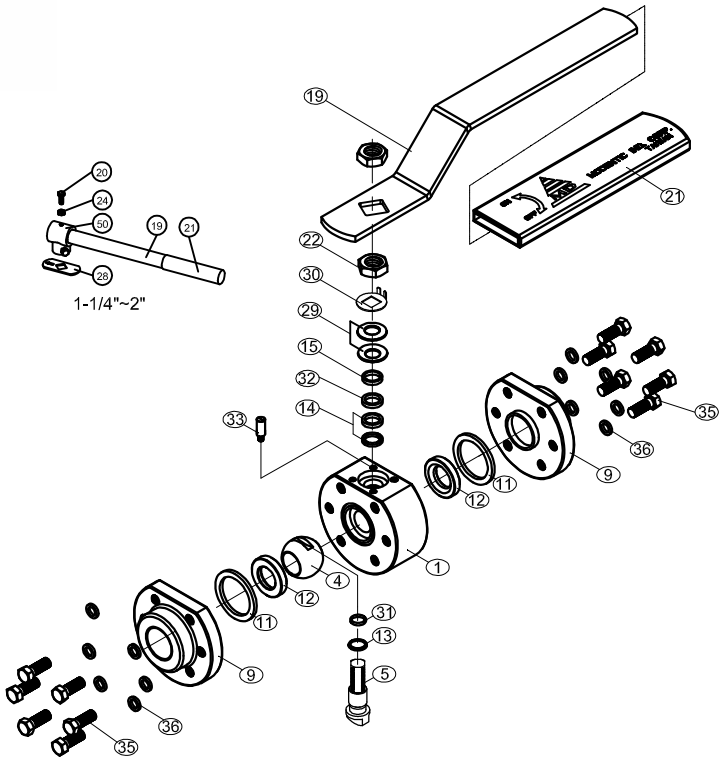
Bar material ball valve, ISO 5211 Mounting Flange
Blow out proof stem, Anti-static design
360 degree rotation design
For Chemical, Industrial Application, In-line Maintenance
Super Alloy upon request

Standard Compliance :

Body wall thickness : EN 12516-1/2/3
Socket weld end : EN B16.11
Face to Face : MD's standard
Body material : EN1503-1
Pressure testing : EN 12266

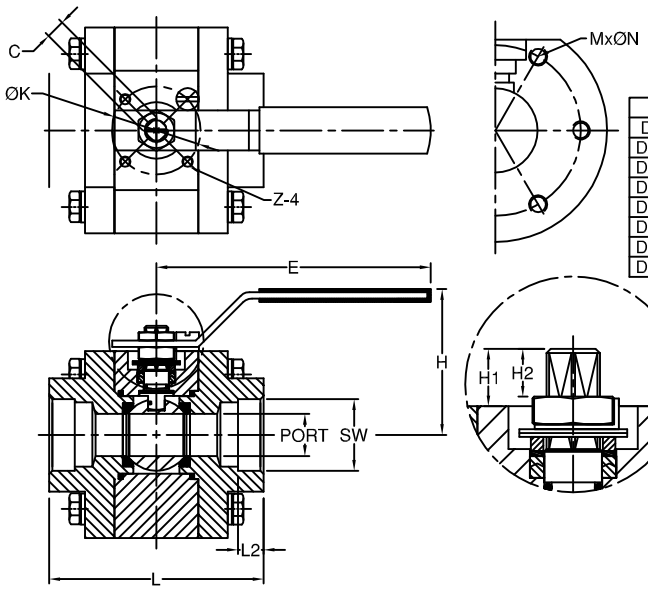
Specification :

End connection : Socket Weld
Working Pressure : 210 bar (CWP)
Temperature : -20 to 80^{0}C for Delrin
-20 to 250^{0}C for Peek



MATERIALS LIST

NO.	PART NAME	MATERIAL
1	BODY	1.4401/EN1503-1
4	BALL	ASTM A351 Gr.CF8M
5	STEM	17-4PH
9	END CAP	1.4401/EN1503-1
11	BODY SEAL	DELRIN/GRAPHITE
12	SEAT	DELRIN/PEEK
13	THRUST WASHER	DELRIN/PEEK
14	STEM PACKING	PTFE.+25%C.F.
15	GLAND BUSH	SS304
19	HANDLE	SS304
20	SET SCREW	SS304
21	HANDLE COVER	PLASTIC
22	STEM NUT	SS304
24	HANDLE NUT	ASTM A2 70
28	STOP PLATE	SS304
29	BELLEVILLE WASHER	SS304-CSP
30	TAB WASHER	SS304
31	O-RING	VITON
32	PACKING FOLLOWER	TFM1600
33	STOP PIN	SS304
35	BODY BOLT	ASTM A2 70
36	BOLT WASHER	SS304
50	STEM ADAPTER	SS304



DIMENSIONS

unit:mm

SIZE		PORT	L	L2	E	H	H1	H2	C	M	ØN	ØK	Z	SW
DN8	1/4"	9.5	85.0	10.0	151.0	61.0	12.6	7.0	9.0	4	5/16"-18UNC	36.0	M5	14.0
DN10	3/8"	11.6	85.0	10.0	151.0	61.0	12.6	7.0	9.0	4	5/16"-18UNC	36.0	M5	17.6
DN15	1/2"	16.0	89.0	10.0	151.0	67.0	19.55	10.3	9.0	4	5/16"-18UNC	42.0	M5	21.7
DN20	3/4"	20.0	102.0	13.0	183.0	81.0	16.4	10.0	9.0	6	5/16"-18UNC	42.0	M5	27.3
DN25	1"	25.0	111.0	13.0	183.0	97.0	24.05	11.5	11.0	6	5/16"-18UNC	42.0	M5	33.9
DN32	1-1/4"	32.0	119.0	13.0	285.0	113.0	34.5	17.5	14.0	6	3/8"-16UNC	50.0	M6	42.8
DN40	1-1/2"	38.0	126.0	13.0	285.0	117.0	32.1	17.5	14.0	6	1/2"-13UNC	50.0	M6	48.7
DN50	2"	50.0	148.0	16.0	285.0	125.0	28.0	17.5	14.0	6	9/16"-12UNC	50.0	M6	61.0