

Fig No:MD-82FE Full Bore
1/2"~2" DN15~DN50



Features :

Fugitive emission Control Bonnet
Double sets of Belleville washers
Blow-out proof stem
ISO 5211 mounting pad
High / Low Temperature Service applications
Monitoring Port for the purpose of installing sensing pressure gauge

Standards compliance:

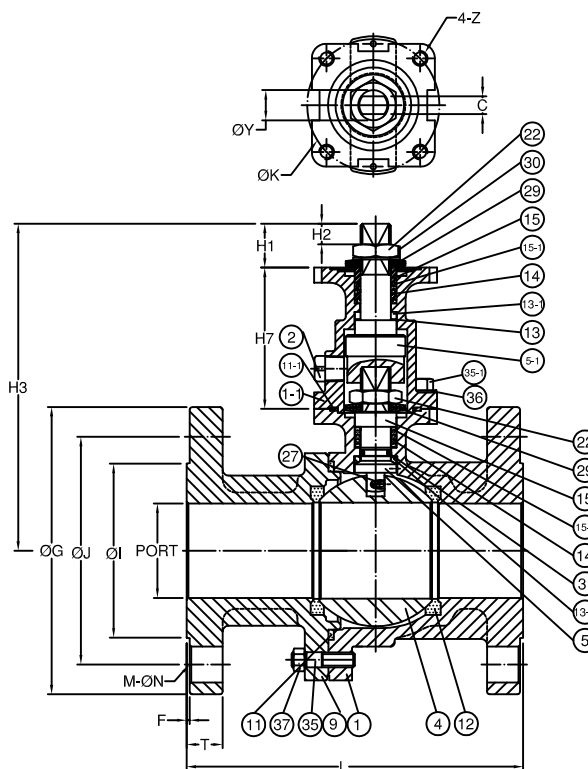
EPA, Ta-Luft,
API 598 / EN 12266
ASME B 16.34
ANSI B16.10 ANSI B16.5
MSS-SP-55 MSS-SP-61 MSS-SP-72

MATERIALS LIST

NO.	PART NAME	MATERIAL
1	BODY	ASTM A351 Gr.CF8M
1-1	F.E BODY	ASTM A351 Gr.CF8M
2	PLUG	SS304
4	BALL	ASTM A351 Gr.CF8M
5	STEM	SS316
5-1	F.E STEM	SS316
9	END CAP	ASTM A351 Gr.CF8M
11	BODY SEAL	TFM
11-1	F.E GASKET	TFM
12	SEAT	RTFE. (15%G.F.)
13	THRUST WASHER(1)	TFM
13-1	THRUST WASHER(2)	TFM
13-2	THRUST WASHER	TFM
14	STEM PACKING	TFM
15	GLAND	SS304
15-1	GLAND WASHER	TFM
22	STEM NUT	SS304
27	ANTI-STATIC BALL	SS316
29	BELLEVILLE WASHER	SS301
30	LOCK WASHER	SS304
31	O-RING	VITON
35	BODY BOLT	SS304
35-1	F.E BOLT	SS304
36	F.E SPRING WASHER	SS304
37	BOLT NUT	SS304

Specifications:

Temperature range: -70°F to 475°F (-57°C to 180°C)
Face to face: ANSI B16.10 Class 150
Flange: ANSI B16.5 Class 150 Flanged Fitting



DIMENSIONS

unit:mm

SIZE	PORT	L	H1	H2	H3	H7	C	ØG	ØJ	ØI	T	F	M	ØN	ØK	ØY	Z	
DN15	1/2"	15	108	14.2	7.6	104.9	50.8	6.35	89	60.5	35	11.2	1.6	4	16	42	12	10-24UNC
DN20	3/4"	20	117	14.2	7.6	107.5	50.8	6.35	98	70	43	12.7	1.6	4	16	42	12	10-24UNC
DN25	1"	25	127	18.7	10	145.5	74.8	8	108	79.5	51	14.3	1.6	4	16	50	14	1/4-20UNC
DN32	1-1/4"	32	140	18.7	10	149.5	74.8	8	117.5	88.9	63.5	15.9	1.6	4	16	50	14	1/4-20UNC
DN40	1-1/2"	38	165	23.7	12	164.5	74.8	9.5	127	98.5	73	17.5	1.6	4	16	70	16	5/16-18UNC
DN50	2"	50	178	23.7	12	173.5	74.8	9.5	152	120.5	92	19.1	1.6	4	19	70	16	5/16-18UNC

DIMENSIONS

unit:inch

SIZE	PORT	L	H1	H2	H3	H7	C	ØG	ØJ	ØI	T	F	M	ØN	ØK	ØY	Z	
DN15	1/2"	0.59	4.25	0.56	0.30	4.13	2.00	0.25	3.50	2.38	1.38	0.44	0.06	4	0.63	1.65	0.47	10-24UNC
DN20	3/4"	0.79	4.61	0.56	0.30	4.23	2.00	0.25	3.86	2.76	1.69	0.50	0.06	4	0.63	1.65	0.47	10-24UNC
DN25	1"	0.98	5.00	0.74	0.39	5.73	2.94	0.31	4.25	3.13	2.01	0.56	0.06	4	0.63	1.97	0.55	1/4-20UNC
DN32	1-1/4"	1.26	5.51	0.74	0.39	5.89	2.94	0.31	4.63	3.50	2.50	0.63	0.06	4	0.63	1.97	0.55	1/4-20UNC
DN40	1-1/2"	1.50	6.50	0.93	0.47	6.48	2.94	0.37	5.00	3.88	2.87	0.69	0.06	4	0.63	2.76	0.63	5/16-18UNC
DN50	2"	1.97	7.01	0.93	0.47	6.83	2.94	0.37	5.98	4.74	3.62	0.75	0.06	4	0.75	2.76	0.63	5/16-18UNC