

Fig No. MD-82 Full Bore
1/2" - 12" DN 15 ~ DN 300



MATERIALS LIST

NO.	PART NAME	MATERIAL
1	BODY	ASTM A351 Gr.CF8M
4	BALL	ASTM A351 Gr.CF8M
5	STEM	SS316
9	END CAP	ASTM A351 Gr.CF8M
11	BODY SEAL	GRAPHITE+SS316 SPIRAL WOUND WIRE
12	SEAT	RTFE.
13	THRUST WASHER	RTFE.
13-1	THRUST WASHER	PTFE.+50%SS316
14	STEM PACKING	GRAPHITE
15	GLAND BUSH	SS304
19	HANDLE	SS304
21	HANDLE COVER	PLASTIC
22	STEM NUT	SS304
27	ANTI-STATIC DEVICE	SS304
28	LOCKING DEVICE	SS304
29	BELLEVILLE WASHER	SS301
30	TAB WASHER	SS304
32	PACKING FOLLOWER	PTFE.+50%SS316
33	STOP PIN	SS304
35	STUD	SS304
37	BOLT NUT	SS304

Features :

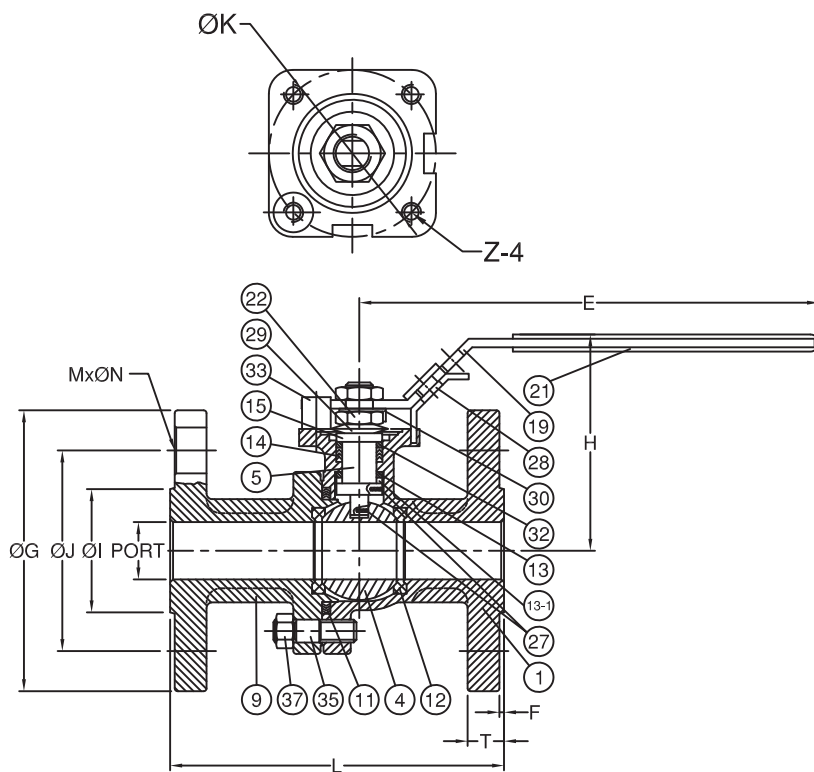
API 607 6th / ISO 10497-5 / BS 6755 Part II Fire Safe Approved
Investment casting component for DN15-DN100
Sand casting for DN150 & above
Blow out proof design, Anti-static device
ISO 5211 Mounting flange
For General chemical and industrial application
Carbon Steel or Super Alloy available upon request

Standard Compliance :

Body wall thickness : B16.34
Face to face length : ANSI B16.10 Class 300
Flange dimension : ANSI B 16.5 Class 300
Body Material : ASTM A351
Pressure testing : API 598/ EN 12266

Specification :

End connection : Flanged RF end
Working pressure : 720 psi (CWP)
Temperature : -20 ~ 180°C



DIMENSIONS

unit:mm

SIZE	PORT	L	E	H	ØG	ØJ	ØI	T	F	M	ØN	ØK	Z
DN15	1/2"	15	140	165	66	95	66.5	35.0	14.3	1.6	4	16	M5
DN20	3/4"	20	152	165	74	117	82.5	43.0	15.9	1.6	4	19	M5
DN25	1"	25	165	200	87	124	89.0	51.0	17.5	1.6	4	19	M6
DN40	1-1/2"	38	190	250	105	156	114.5	73.0	20.7	1.6	4	22	M8
DN50	2"	50	216	265	115	165	127.0	92.0	22.3	1.6	8	19	M8

DIMENSIONS

unit:inch

SIZE	PORT	L	E	H	ØG	ØJ	ØI	T	F	M	ØN	ØK	Z	
DN15	1/2"	0.59	5.51	6.50	2.60	3.74	2.62	1.38	0.56	0.06	4	0.63	1.65	M5
DN20	3/4"	0.79	5.98	6.50	2.91	4.61	3.25	1.69	0.63	0.06	4	0.75	1.65	M5
DN25	1"	0.98	6.50	7.87	3.43	4.88	3.50	2.01	0.69	0.06	4	0.75	1.97	M6
DN40	1-1/2"	1.50	7.48	9.84	4.13	6.14	4.51	2.87	0.81	0.06	4	0.87	2.76	M8
DN50	2"	1.97	8.50	10.43	4.53	6.50	5.00	3.62	0.88	0.06	8	0.75	2.76	M8

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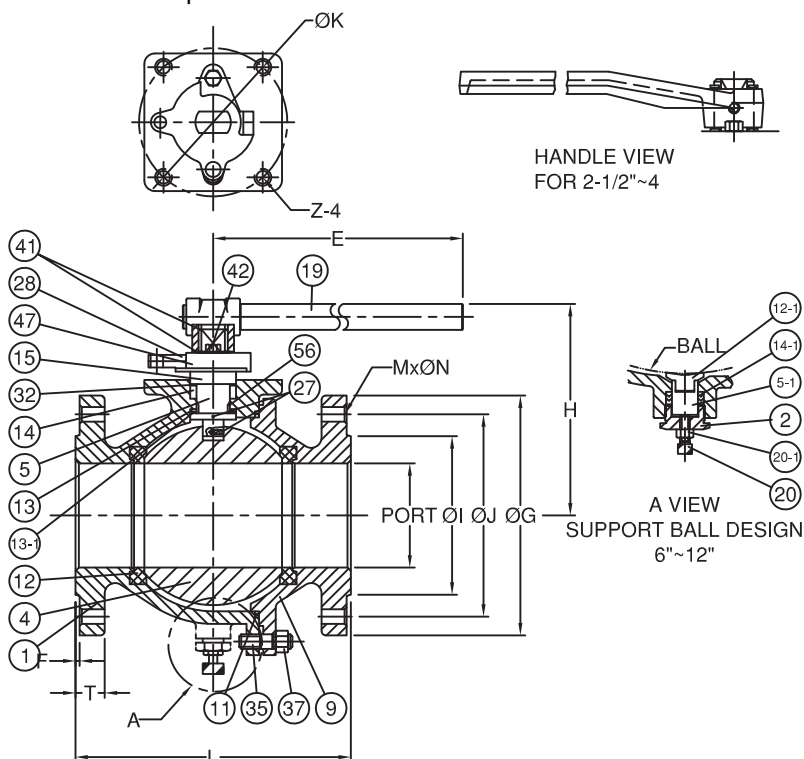
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NO.	PART NAME	MATERIAL
1	BODY	ASTM A351 Gr.CF8M
2	SUPPORT NUT	SS304
4	BALL	ASTM A351 Gr.CF8M
5	STEM	SS316
5-1	SUPPORT PIN	SS316
9	END CAP	ASTM A351 Gr.CF8M
11	BODY SEAL	SS316+GRAPHITE
12	SEAT	RTFE.
12-1	PIN SEAT	RTFE.
13	THRUST WASHER	RTFE.
13-1	THRUST WASHER	PTFE.+50%SS316
14	STEM PACKING	GRAPHITE
14-1	PIN PACKING	GRAPHITE
15	GLAND BUSH	SS304
19	HANDLE	BUCTION HEAD(FCD) PIPE GRIP (S15C)
20	SET SCREW	SS304
20-1	SET NUT	SS304
27	ANTI-STATIC DEVICE	SS316
28	STOP PLATE	SS304
32	PACKING FOLLOWER	PTFE.+50%SS316
35	STUD	ASTM A193 Gr.B8
37	BOLT NUT	ASTM A194 Gr.8
41	SNAP RING	CARBON STEEL
42	GLAND BOLT	SS304
47	GLAND FLANGE	ASTM A351 Gr.CF8
56	BEARING	RTFE.



DIMENSIONS

unit:mm

SIZE	PORT	L	E	H	ØG	ØJ	ØI	T	F	M	ØN	ØK	Z	
DN65	2-1/2"	65.0	241	390	158	190	149.0	105	25.4	1.6	8	22	102	M10
DN80	3"	76.0	283	390	166	210	168.0	127	28.6	1.6	8	22	102	M10
DN100	4"	101.5	305	390	183	254	200.0	157	31.8	1.6	8	22	102	M10
DN150	6"	152.0	403	650	285	318	270.0	216	36.6	1.6	12	22	125	M12
DN200	8"	200.0	502	950	323	381	330.0	270	41.3	1.6	12	25	125	M12
DN250	10"	250.0	568	1100	368	444	387.5	324	47.7	1.6	16	29	140	M16
DN300	12"	300.0	648	1100	408	521	451.0	381	50.8	1.6	16	32	140	M16

DIMENSIONS

unit:inch

SIZE		PORT	L	E	H	ØG	ØJ	ØI	T	F	M	ØN	ØK	Z
DN65	2-1/2"	2.56	9.49	15.35	6.22	7.48	5.87	4.13	1.00	0.06	8	0.87	4.02	M10
DN80	3"	2.99	11.14	15.35	6.54	8.27	6.61	5.00	1.13	0.06	8	0.87	4.02	M10
DN100	4"	4.00	12.01	15.35	7.20	10.00	7.87	6.18	1.25	0.06	8	0.87	4.02	M10
DN150	6"	5.98	15.87	25.59	11.22	12.52	10.63	8.50	1.44	0.06	12	0.87	4.92	M12
DN200	8"	7.87	19.76	37.40	12.72	15.00	12.99	10.63	1.63	0.06	12	0.98	4.92	M12
DN250	10"	9.84	22.36	43.31	14.49	17.48	15.26	12.76	1.88	0.06	16	1.14	5.51	M16
DN300	12"	11.81	25.51	43.31	16.06	20.51	17.76	15.00	2.00	0.06	16	1.26	5.51	M16