

Two Piece Flanged Fire Safe Approved Ball Valve, Full Bore, ISO 5211 Direct mounting type, ANSI Class 150

Fig No. MD-28FS Full Bore
1/2" ~ 6" DN15 ~ DN150



MATERIALS LIST

NO.	PART NAME	MATERIAL
1	BODY	ASTM A351 CF8M
4	BALL	ASTM A351 CF8M
5	STEM	SS316
9	END CAP	ASTM A351 CF8M
11	BODY SEAL	GRAPHITE
12	SEAT	RTFE.
13	THRUST WASHER	GRAPHITE
13-1	THRUST WASHER	PTFE.+25%G.F.
14	STEM PACKING	GRAPHITE
15	GLAND	SS304
19	HANDLE	SS304
21	HANDLE COVER	PLASTIC
22	STEM NUT	SS304
23	HANDLE WASHER	SS304
24	HANDLE NUT	SS304
28	LOCKING PAD	SS304
29	BELLEVILLE WASHER	SS304
30	STOP WASHER	SS304
31	STEM O-RING	VITON
33	STOP	SS304
35	STUD	ASTM A193 Gr.B8
37	NUT	ASTM A194 Gr.8

API 607 6th / ISO 10497-5 / BS 6755 Part II Fire Safe Approved

Features :

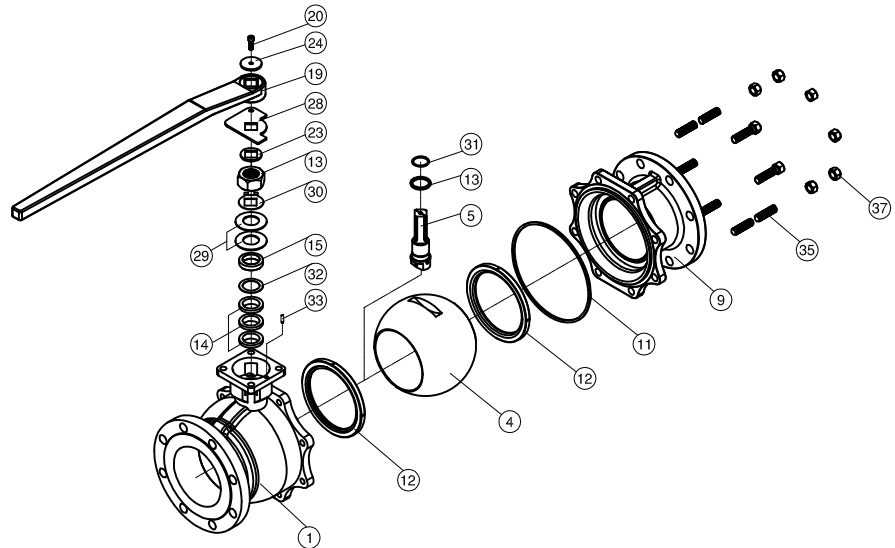
Investment Casting Component
ISO 5211 Direct mounting type
Blow-out proof stem, Anti-static Design
For General chemical and industrial application
Carbon Steel or Super Alloy upon request

Standard Compliance :

Body wall thickness : B16.34
Face to Face : ANSI B16.10 Class 150
Flange dimension : ANSI B 16.5 Class 150
Finish : 125-250 AARH
Body Material : ASTM A351
Pressure testing : EN12266

Specification :

End connection : Flange RF
Working Pressure : 275 PSI (CWP)
Temperature : -20 to 180°C / -4 to 350 °F



DIMENSIONS

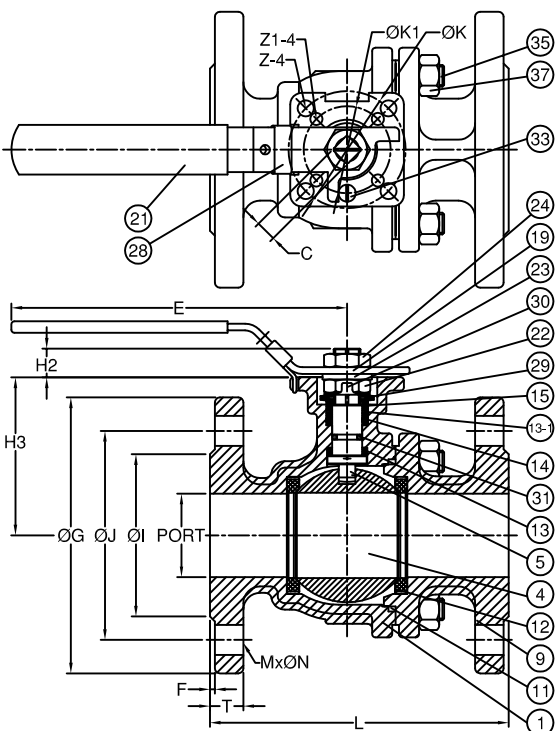
unit:mm

SIZE	PORT	L	E	H2	H3	C	OG	OJ	OI	T	F	M	ON	OK	OK1	Z-4	Z1-4			
DN15	1/2"	15.0	108.0	112	8.5	48	9.0	89.0	60.5	35.0	11.2	1.6	4	16.0	50	F05	36	F03	7.0	6.0
DN20	3/4"	20.0	117.0	112	8.5	53.5	9.0	98.6	70.0	43.0	12.7	1.6	4	16.0	50	F05	36	F03	7.0	6.0
DN25	1"	25.0	127.0	136	9.5	64	9.0	108.0	79.2	51.0	14.3	1.6	4	16.0	50	F05	36	F03	7.0	6.0
DN32	1-1/4"	32.0	140.0	185	9.5	71	9.0	117.5	88.9	63.5	15.9	1.6	4	16.0	50	F05	36	F03	7.0	6.0
DN40	1-1/2"	38.0	165.0	198	14.0	76	14.0	127.0	98.6	73.2	17.5	1.6	4	16.0	70	F07	50	F05	9.0	7.0
DN50	2"	50.0	178.0	198	13.7	84.5	14.0	152.5	120.7	92.0	19.1	1.6	4	19.0	70	F07	50	F05	9.0	7.0
DN65	2-1/2"	64.0	190.0	265	18.0	106.8	17.0	177.8	139.7	104.7	23.3	1.6	4	19.0	102	F10	70	F07	12.0	10.0
DN80	3"	76.0	203.0	265	18.0	116.0	17.0	190.5	152.4	127.0	23.9	1.6	4	19.0	102	F10	70	F07	12.0	10.0
DN100	4"	100.0	229.0	325	18.0	154.5	17.0	228.6	190.5	157.2	23.9	1.6	8	19.0	102	F10	70	F07	12.0	10.0

DIMENSIONS

unit:inch

	SIZE	PORT	L	E	H2	H3	C	OG	OJ	OI	T	F	M	ON	OK	OK1	Z-4	Z1-4			
	DN15	1/2"	0.59	4.25	4.41	0.33	1.89	0.35	3.50	2.38	1.38	0.44	0.06	4	0.63	1.97	F05	1.42	F03	0.28	0.24
	DN20	3/4"	0.79	4.61	4.41	0.33	2.11	0.35	3.88	2.76	1.69	0.50	0.06	4	0.63	1.97	F05	1.42	F03	0.28	0.24
	DN25	1"	0.98	5.00	5.35	0.37	2.52	0.35	4.25	3.12	2.01	0.56	0.06	4	0.63	1.97	F05	1.42	F03	0.28	0.24
	DN32	1-1/4"	1.26	5.51	7.28	0.37	2.80	0.35	4.63	3.50	2.50	0.63	0.06	4	0.63	1.97	F05	1.42	F03	0.28	0.24
	DN40	1-1/2"	1.50	6.50	7.80	0.55	2.99	0.55	5.00	3.88	2.88	0.69	0.06	4	0.63	2.76	F07	1.97	F05	0.35	0.28
	DN50	2"	1.97	7.01	7.80	0.54	3.33	0.55	6.00	4.75	3.62	0.75	0.06	8	0.75	2.76	F07	1.97	F05	0.35	0.28
	DN65	2-1/2"	2.52	7.48	10.43	0.71	4.20	0.67	7.00	5.50	4.12	0.92	0.06	8	0.75	4.02	F10	2.76	F07	0.47	0.39
	DN80	3"	2.99	7.99	10.43	0.71	4.57	0.67	7.50	6.00	5.00	0.94	0.06	8	0.75	4.02	F10	2.76	F07	0.47	0.39
	DN100	4"	3.94	9.02	12.80	0.71	6.08	0.67	9.00	7.50	6.19	0.94	0.06	8	0.75	4.02	F10	2.76	F07	0.47	0.39



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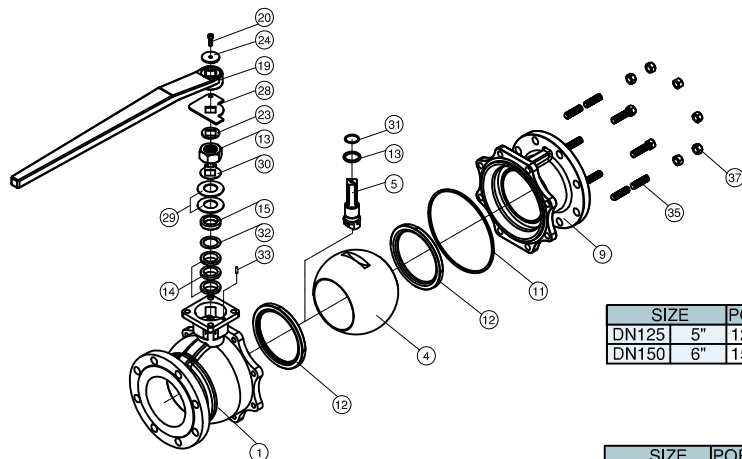
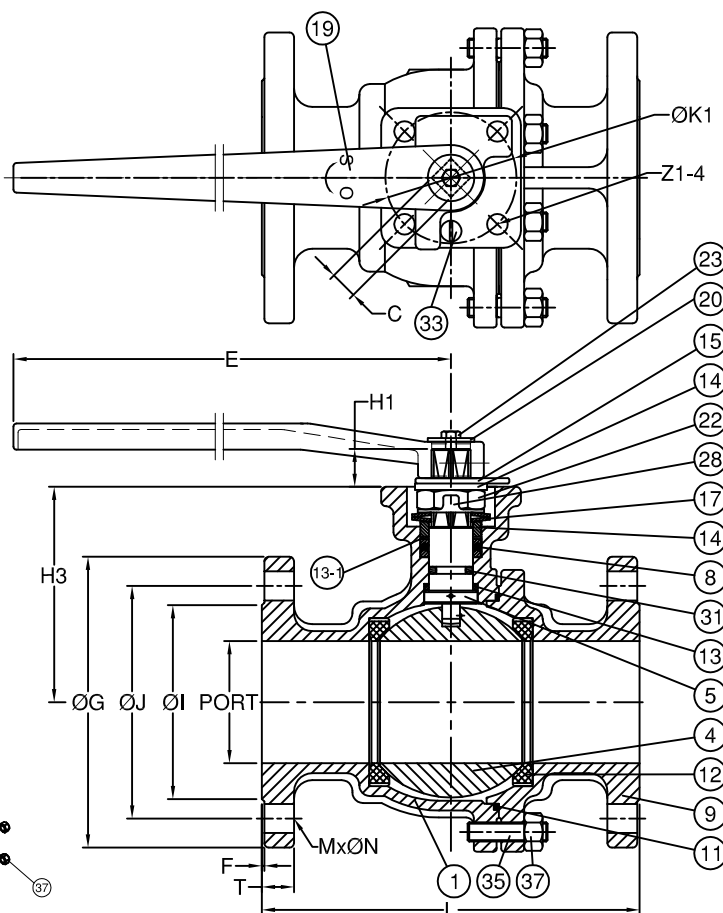
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14	STEM PACKING	GRAPHITE
15	GLAND	SS304
19	HANDLE	FCD45
20	BOLT	SS304
22	STEM NUT	SS304
23	HANDLE WASHER	SS304
28	TRIANGLE STOPPER	SS304
31	STEM O-RING	VITON
33	STOP	SS304
35	STUD	ASTM A193 Gr.B8
37	NUT	ASTM A194 Gr.8



DIMENSIONS

unit:mm

SIZE	PORT	L	E	H1	H3	C	ØG	ØJ	ØI	T	F	M	ØN	ØK1	Z1-4
DN125	5"	125.0	356.0	750.0	30.0	194.0	27.0	254.0	216.0	186.0	24.0	1.6	8	22.3	125 F12 14.0
DN150	6"	150.0	394.0	750.0	30.0	213.0	27.0	279.4	241.3	216.0	25.4	1.6	8	22.3	125 F12 14.0

DIMENSIONS

unit:inch

SIZE	PORT	L	E	H1	H3	C	ØG	ØJ	ØI	T	F	M	ØN	ØK1	Z1-4
DN125	5"	4.92	14.02	29.53	1.18	7.64	1.06	10.00	8.50	7.32	0.94	0.06	8	0.88	4.92 F12 0.55
DN150	6"	5.91	15.51	29.53	1.18	8.39	1.06	11.00	9.50	8.50	1.00	0.06	12	0.88	4.92 F12 0.55