

Two Piece Flanged Ball Valve, Full Bore, ISO 5211 Direct mounting type, ANSI class 150

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



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 Special Alloy available upon request

Standard Compliance :

Body wall thickness : B16.34
Face to Face : B16.10 Class 150
Flange dimension : B16.5 Class 150
Body Material : ASTM A351
Pressure testing : EN 12266-1

Specifications :

End connection : Flange RF
Working pressure : 275 psi (CWP)
Temperature : -20 ~180°C

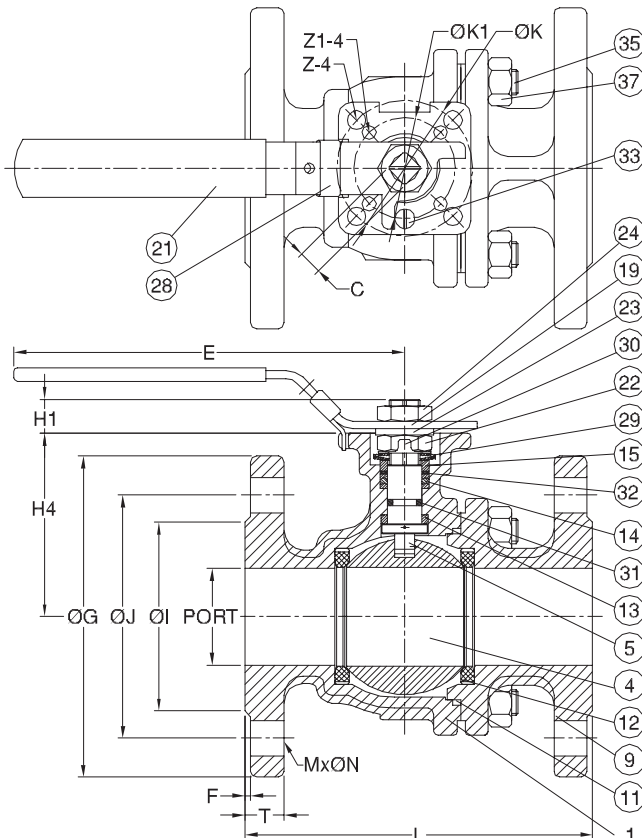
Option :

Fire safe design

DIMENSIONS

unit:mm

SIZE	PORT	L	E	H1	H4	C	ØG	ØJ	ØI	T	F	M	ØN	ØK	ØK1	Z-4	Z1-4	
DN15	1/2"	15.0	108.0	112.0	8.5	48.0	9.0	89.0	60.5	35.0	11.2	1.6	4	16.0	50.0	36.0	7.0	6.0
DN20	3/4"	20.0	117.0	112.0	8.5	62.0	9.0	98.6	70.0	43.0	12.7	1.6	4	16.0	50.0	36.0	7.0	6.0
DN25	1"	25.0	127.0	136.0	11.4	64.0	9.0	108.0	79.2	51.0	14.3	1.6	4	16.0	50.0	36.0	7.0	6.0
DN32	1-1/4"	32.0	140.0	185.0	11.4	71.0	9.0	117.5	88.9	63.5	15.9	1.6	4	16.0	50.0	36.0	7.0	6.0
DN40	1-1/2"	38.0	165.0	198.0	14.0	76.0	14.0	127.0	98.6	73.2	17.5	1.6	4	16.0	70.0	50.0	9.0	7.0
DN50	2"	50.0	178.0	198.0	13.7	84.5	14.0	152.5	120.7	92.0	19.1	1.6	4	19.0	70.0	50.0	9.0	7.0
DN65	2-1/2"	64.0	190.0	265.0	18.0	106.8	17.0	177.8	139.7	104.7	23.3	1.6	4	19.0	102.0	70.0	11.0	9.0
DN80	3"	76.0	203.0	265.0	18.0	116.0	17.0	190.5	152.4	127.0	23.9	1.6	4	19.0	102.0	70.0	11.0	9.0
DN100	4"	100.0	229.0	325.0	18.0	154.5	17.0	228.6	190.5	157.2	23.9	1.6	8	19.0	102.0	70.0	11.0	9.0



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	PTFE.
12	SEAT	RTFE.
13	THRUST WASHER	PTFE.
14	STEM PACKING	PTFE.
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	TAB WASHER	SS304
31	O-RING	VITON
32	PACKING FOLLOWER	PTFE.+25%G.F.
33	STOP PIN	SS304
35	BODY STUD	ASTM A193 Gr.B8
37	BOLT NUT	ASTM A194 Gr.8

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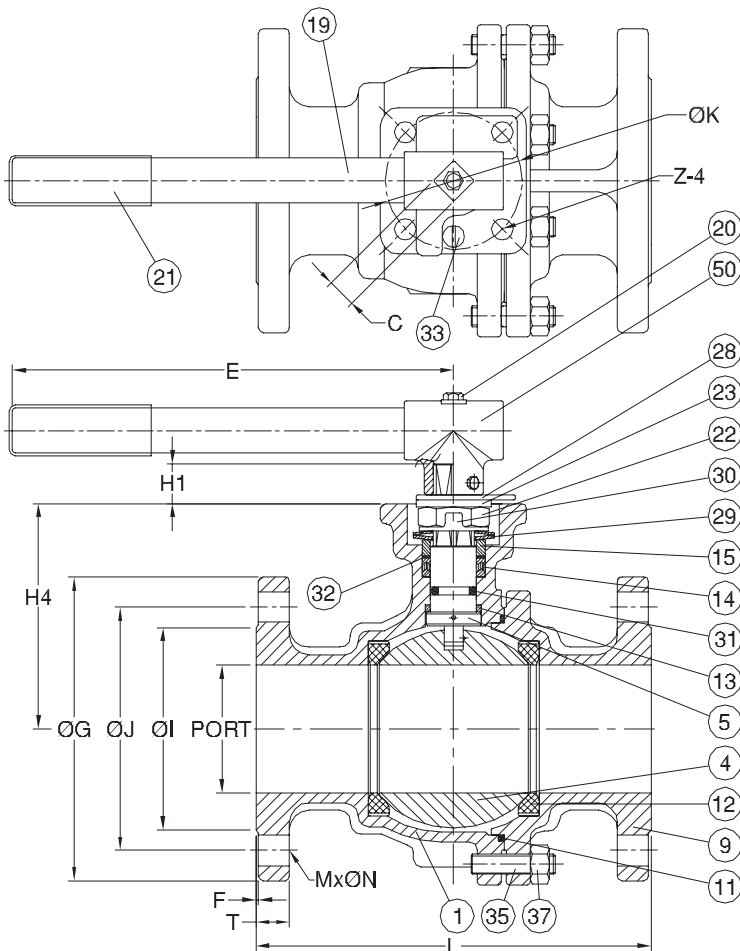
Option :

- Fire safe design

DIMENSIONS

unit:mm

SIZE	PORT	L	E	H1	H4	C	ØG	ØJ	ØI	T	F	M	ØN	ØK	Z	
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	125.0	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	125.0	14.0



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4	BALL	ASTM A351 Gr.CF8M
5	STEM	SS316
9	END CAP	ASTM A351 Gr.CF8M
11	BODY SEAL	PTFE.
12	SEAT	RTFE.
13	THRUST WASHER	PTFE.
14	STEM PACKING	PTFE.
15	GLAND	SS304
19	HANDLE	SS304
20	SET SCREW	SS304
21	HANDLE COVER	PLASTIC
22	STEM NUT	SS304
23	HANDLE WASHER	SS304
28	STOP PLATE	SS304
29	BELLEVILLE WASHER	SS304
30	TAB WASHER	SS304
31	O-RING	VITON
32	PACKING FOLLOWER	PTFE,+25%G.F.
33	STOP PIN	SS304
35	BODY STUD	ASTM A193 Gr.B8
37	BOLT NUT	ASTM A194 Gr.8
50	ADAPTER	SS304