



Two Piece Body Design Flanged Ball Valves, Full Bore

MONEL® 400 / PN40 for DN15 ~ DN50
PN16 for DN65 ~ DN300

Fig No. MD-82 Full Bore
DN15 ~ DN100 (1/2" ~ 4")



Features :

- Investment Casting Component for DN15 ~ DN100
- Blow Out Proof Stem Design, Non Anti-Static Device
- ISO 5211 Mounting Flange
- Standard Stock Without Fire Safe Design
- * Option : Fire Safe Design

Standard Compliance :

- Basic Design : EN 12516-1/2 PN40
- Body Material : ASTM
- Face to Face Length : DIN 3202 F4
- Flange Dimension : PN40 DIN 2635
- Pressure Testing : EN 12266

Specification :

- Temperature : -20 to 180 °C (-4 to 356 °F) for RTFE.
- Suggested Application : Hydrofluoric Acid, Caustic Soda, Hydrochloric Acid, Chlorides

MATERIAL LIST

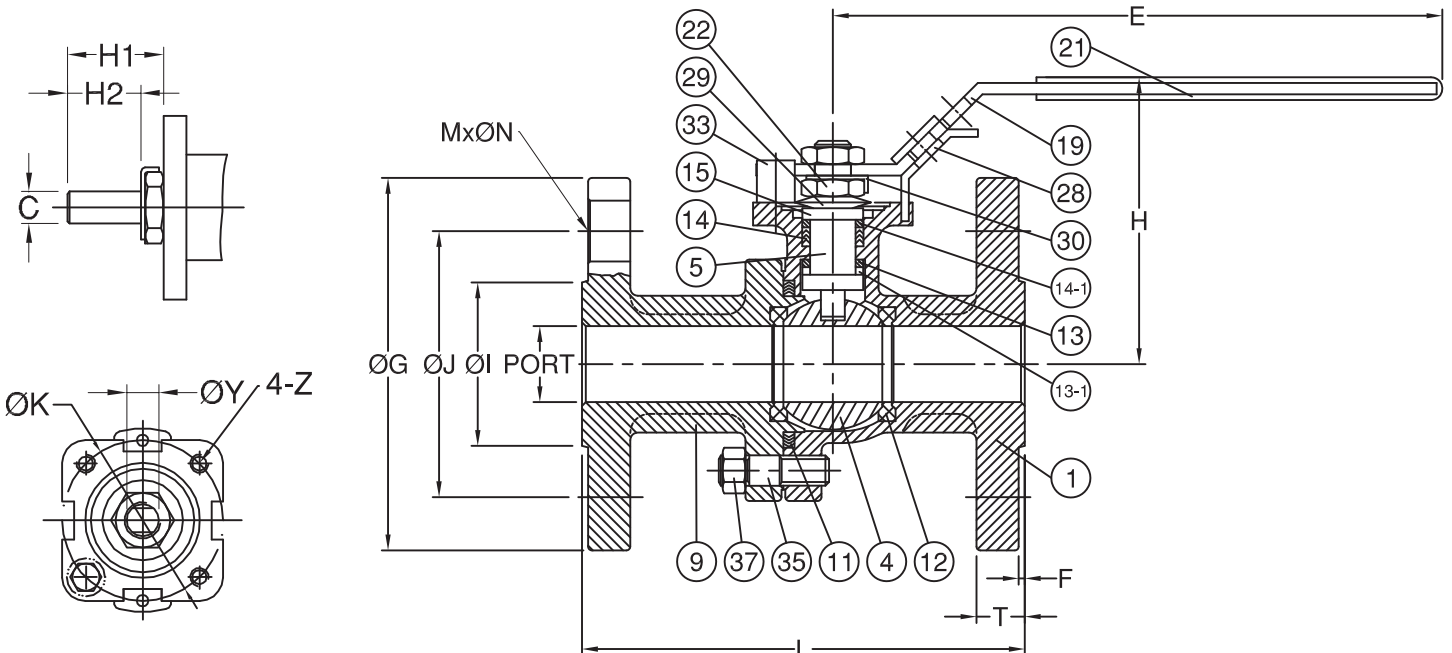
NO.	PART NAME	MATERIAL
1	BODY	ASTM A494 Gr.M-35-1
4	BALL	ASTM A494 Gr.M-35-1
5	STEM	N04400
9	END CAP	ASTM A494 Gr.M-35-1
11	BODY SEAL	PTFE.
12	SEAT	RTFE.(15%G.F.)
13	THRUST WASHER	PTFE.
13-1	THRUST WASHER	PTFE.
14	STEM PACKING	PTFE.
14-1	STEM PACKING	PTFE.
15	GLAND BUSH	SS304
19	HANDLE	SS304
21	HANDLE COVER	PLASTIC
22	HANDLE/STEM NUT	SS304
28	LOCKING DEVICE	SS304
29	BELLEVILLE WASHER	SS301
30	TAB WASHER	SS304
33	STOP PIN	SS304
35	STUD	ASTM A193 Gr.B8
37	BOLT NUT	ASTM A194 Gr.8

FLANGE DIMENSION: PN40 DIN 2635
 FACE TO FACE : DIN 3202 F4

DIMENSIONS

SIZE	PORT	unit:mm																
		L	E	H	H1	H2	C	ØY	ØG	ØJ	ØI	T	F	M	ØN	ØK	Z	
DN15	1/2"	15	115	165	66.0	14.0	8.0	6.35	9.3	95	65	45	16	2	4	14	42	M5x0.8
DN20	3/4"	20	120	165	74.0	14.0	8.0	6.35	9.3	105	75	58	18	2	4	14	42	M5x0.8
DN25	1"	25	125	200	87.0	19.0	11.0	8.0	10.9	115	85	68	18	2	4	14	50	M6x1.0
DN32	1-1/4"	32	130	200	92.0	19.0	11.0	8.0	10.9	140	100	78	18	2	4	18	50	M6x1.0
DN40	1-1/2"	38	140	250	105.0	23.0	14.0	9.5	15.7	150	110	88	18	3	4	18	70	M8x1.25
DN50	2"	50	150	265	115.0	23.0	14.0	9.5	15.7	165	125	102	20	3	4	18	70	M8x1.25

SIZE	PORT	unit:inch																
		L	E	H	H1	H2	C	ØY	ØG	ØJ	ØI	T	F	M	ØN	ØK	Z	
DN15	1/2"	0.59	4.53	6.50	2.60	0.55	0.31	0.25	0.37	3.74	2.56	1.77	0.63	0.08	4	0.55	1.65	M5x0.8
DN20	3/4"	0.79	4.72	6.50	2.91	0.55	0.31	0.25	0.37	4.13	2.95	2.28	0.71	0.08	4	0.55	1.65	M5x0.8
DN25	1"	0.98	4.92	7.87	3.43	0.75	0.43	0.31	0.43	4.53	3.35	2.68	0.71	0.08	4	0.55	1.97	M6x1.0
DN32	1-1/4"	1.26	5.12	7.87	3.62	0.75	0.43	0.31	0.43	5.51	3.94	3.07	0.71	0.08	4	0.71	1.97	M6x1.0
DN40	1-1/2"	1.50	5.51	9.84	4.13	0.91	0.55	0.37	0.62	5.91	4.33	3.46	0.71	0.12	4	0.71	2.76	M8x1.25
DN50	2"	1.97	5.91	10.43	4.53	0.91	0.55	0.37	0.62	6.50	4.92	4.02	0.79	0.12	4	0.71	2.76	M8x1.25





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 FACE TO FACE : DIN 3202 F4

DIMENSIONS

SIZE	PORT	unit:mm																
		L	E	H	H1	H2	C	ØY	ØG	ØJ	ØI	T	F	M	ØN	ØK	Z	
DN65	2-1/2"	64	170	390	152.5	71.0	50.0	17.0	28.0	185	145	122	18	3	4	18	102	M10x1.5
DN80	3"	76	180	390	161.5	71.0	50.0	17.0	28.0	200	160	138	20	3	8	18	102	M10x1.5
DN100	4"	100	190	390	179.0	71.0	50.0	17.0	28.0	220	180	158	20	3	8	18	102	M10x1.5

SIZE	PORT	unit:inch																
		L	E	H	H1	H2	C	ØY	ØG	ØJ	ØI	T	F	M	ØN	ØK	Z	
DN65	2-1/2"	2.52	6.69	15.35	6.00	2.80	1.97	0.67	1.10	7.28	5.71	4.80	0.71	0.12	4	0.71	4.02	M10x1.5
DN80	3"	2.99	7.09	15.35	6.36	2.80	1.97	0.67	1.10	7.87	6.30	5.43	0.79	0.12	8	0.71	4.02	M10x1.5
DN100	4"	3.94	7.48	15.35	7.05	2.80	1.97	0.67	1.10	8.66	7.09	6.22	0.79	0.12	8	0.71	4.02	M10x1.5

