



Two Piece Body Design Flanged Ball Valve, Full Bore

TITANIUM F2 / ANSI CLASS 150

Fig No. MD-C2 Full Bore
1/2" ~ 4" (DN 15 ~ DN 100)



Features :

Full Bar Machined
Blow Out Proof Stem Design
Non Anti-Static Device

Standard Compliance :

Basic Design : ANSI B16.34 Class 150
Body Material : ASTM
Face to Face Length : ANSI B16.10 Class 150
Flange Dimension : ANSI B16.5 Class 150
Pressure Testing : API 598

Specification :

Temperature : -20 to 180 °C (-4 to 356 °F) for PTFE.
Suggested Application : Organic Acid, Caustic Soda,
Nitric Acid, Chlorides

MATERIAL LIST

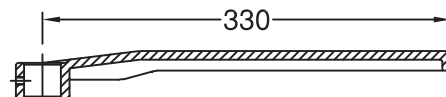
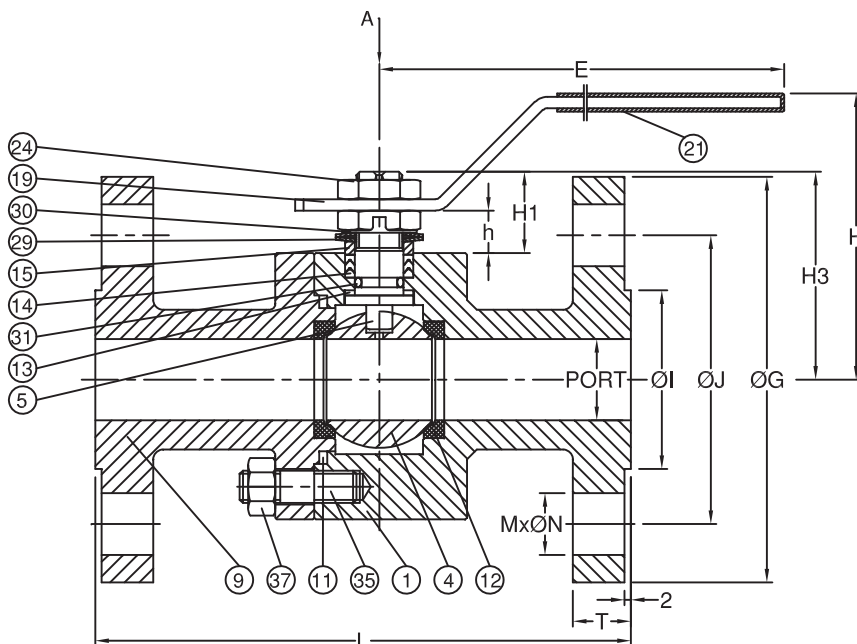
NO.	PART NAME	MATERIAL
1	BODY	ASTM B381 Gr.F2
4	BALL	ASTM B381 Gr.F2
5	STEM	ASTM B381 Gr.F2
9	END CAP	ASTM B381 Gr.F2
11	BODY SEAL	PTFE.
12	SEAT	PTFE.
13	THRUST WASHER	RTFE.(15%G.F.)
14	STEM PACKING	PTFE.
15	GLAND	ASTM B381 Gr.F2
19	HANDLE	SS304
24	HANDLE NUT	SS304
29	BELLEVILLE WASHER	SS304
30	STOP WASHER	SS304
31	STEM O-RING	VITON®
33	STOPPER	SS304
35	STUD	SS304
37	NUT	SS304

FLANGE DIMENSION: ANSI B16.5 Class 150
FACE TO FACE: ANSI B16.10 Class 150

DIMENSIONS

SIZE	PORT	L	E	H	H1	H3	h	ØG	ØJ	ØI	T	M	ØN	ØK	C	Z	unit:mm
DN15	1/2"	13.0	108.0	140.0	69.7	19.2	47.2	10.7	90.0	60.3	40.0	11.6	4	16.0	36.0	9	M5
DN20	3/4"	19.0	117.0	140.0	74.8	18.5	51.5	10.8	100.0	69.9	46.0	13.2	4	16.0	36.0	9	M5
DN25	1"	25.0	127.0	164.0	87.1	25.0	64.0	13.1	110.0	79.4	55.0	14.7	4	16.0	42.0	11	M5
DN32	1-1/4"	32.0	140.0	164.0	92.1	25.4	69.0	12.6	115.0	88.9	63.5	16.3	4	16.0	42.0	11	M5
DN40	1-1/2"	38.0	165.0	210.0	119.8	33.0	87.0	18.8	125.0	98.4	75.0	17.9	4	16.0	50.0	14	M6
DN50	2"	49.0	178.0	210.0	130.2	33.4	97.4	19.2	150.0	120.7	91.9	19.5	4	19.0	70.0	14	M8
DN65	2-1/2"	64.0	190.0	310.0	151.0	42.0	119.0	22.0	180.0	139.7	105.0	22.7	4	19.0	70.0	17	M8
DN80	3"	76.0	203.0	380.0	160.0	42.0	128.0	22.0	190.0	152.4	127.0	24.3	4	19.0	70.0	17	M8
DN100	4"	100.0	305.0			69.5	167.0	29.8	230.0	190.5	157.2	24.3	8	19.0	102.0	22	M10

SIZE	PORT	L	E	H	H1	H3	h	ØG	ØJ	ØI	T	M	ØN	ØK	C	Z	unit:inch
DN15	1/2"	0.51	4.25	5.51	2.74	0.76	1.86	0.42	3.54	2.37	1.57	0.46	4	0.63	1.42	0.35	M5
DN20	3/4"	0.75	4.61	5.51	2.94	0.73	2.03	0.43	3.94	2.75	1.81	0.52	4	0.63	1.42	0.35	M5
DN25	1"	0.98	5.00	6.46	3.43	0.98	2.52	0.52	4.33	3.13	2.17	0.58	4	0.63	1.65	0.43	M5
DN32	1-1/4"	1.26	5.51	6.46	3.63	1.00	2.72	0.50	4.53	3.50	2.50	0.64	4	0.63	1.65	0.43	M5
DN40	1-1/2"	1.50	6.50	8.27	4.72	1.30	3.43	0.74	4.92	3.87	2.95	0.70	4	0.63	1.97	0.55	M6
DN50	2"	1.93	7.01	8.27	5.13	1.31	3.83	0.76	5.91	4.75	3.62	0.77	4	0.75	2.76	0.55	M8
DN65	2-1/2"	2.52	7.48	12.20	5.94	1.65	4.69	0.87	7.09	5.50	4.13	0.89	4	0.75	2.76	0.67	M8
DN80	3"	2.99	7.99	14.96	6.30	1.65	5.04	0.87	7.48	6.00	5.00	0.96	4	0.75	2.76	0.67	M8
DN100	4"	3.94	12.01			2.74	6.57	1.17	9.06	7.50	6.19	0.96	8	0.75	4.02	0.87	M10



4" HANDLE

