

FEATURES

- Investment Cast Body Construction
- 2 Pieces Body Design
- ISO 5211 Direct Mounting Flange
- Blow-Out-Proof Stem Design
- Anti-Static Device
- Available for Pneumatic or Electric Actuator
- NACE MR0175 is available upon request
- Super Alloy materials for highly corrosive medium are available upon request

AUTOMATION AVAILABLE

SPECIFICATIONS

- Size Range 1/2" ~ 6" (DN15 ~ DN150)
- End Connection Flanged End, RF
- Working Pressure CF8M - 720 PSI (CWP)
WCB - 740 PSI (CWP)
- Steam Pressure 150 PSIG. Saturated Steam for RTFE.
- Temperature Range -4 to 356 °F (-20 to 180 °C) for RTFE.

STANDARDS

- Design ASME/ANSI B16.34 / API 608
- Mounting Flange ISO 5211
- Face to Face ASME/ANSI B16.10 Class 300
- Flange Dimension ASME/ANSI B16.5 Class 300 RF
- Material ASTM
- Pressure Testing API 598

CERTIFICATE

- Fire Safe **OPTION** API 607 6th Edition / ISO 10497
- Fugitive Emission ISO 15848-1 / TA-LUFT
- Quality Assurance ISO 9001
- Material Certificate EN 10204-3.1 MTR
- CE Approval PED 97/23/EC Module H
- Canadian Certificate CRN

MATERIAL LIST

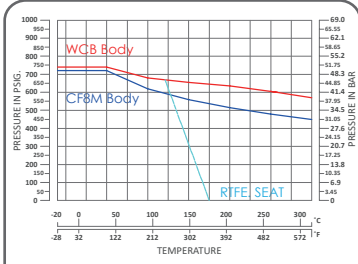
NO.	PART NAME	MATERIAL (more options available)
1	BODY	ASTM A351 Gr.CF8M ASTM A216 Gr.WCB
4	BALL	ASTM A351 Gr.CF8M
5	STEM	ASTM A276 Gr.SS316
9	END CAP	ASTM A351 Gr.CF8M ASTM A216 Gr.WCB
11	BODY SEAL	PTFE.
12	SEAT	RTFE.(15%G.F.)
13	THRUST WASHER	RTFE.(15%G.F.)
14	STEM PACKING	RTFE.(15%G.F.)
15	GLAND BUSH	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	STEM O-RING	VITON®
32	PACKING FOLLOWER	PTFE.+25%G.F.
33	STOP PIN	SS304
35	STUD	ASTM A193 Gr.B8
37	BOLT NUT	ASTM A194 Gr.8

DIMENSION

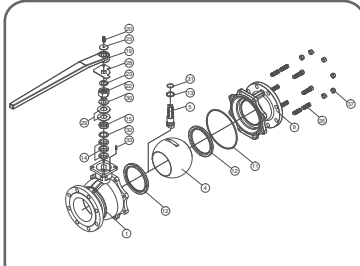
SIZE		PORT	L	E	H2	H3	C	ØG	ØJ	ØI	T	F	M	ØN	ØK	ØK1	Z-4	Z1-4
DN15	1/2"	15.0	140	112	8.5	48.0	9	95.3	66.5	35.0	14.3	1.6	4	16.0	50	F05 36	F03 7.0	6.0
DN20	3/4"	20.0	152	112	8.5	53.5	9	117.4	82.6	43.0	15.9	1.6	4	19.1	50	F05 36	F03 7.0	6.0
DN25	1"	25.0	165	136	9.5	64.0	9	124.0	88.9	51.0	17.5	1.6	4	19.1	50	F05 36	F03 7.0	6.0
DN32	1-1/4"	32.0	178	185	9.5	71.0	9	133.4	98.6	63.5	19.1	1.6	4	19.1	50	F05 36	F03 7.0	6.0
DN40	1-1/2"	38.0	190	198	14.0	76.0	14	155.5	114.3	73.2	20.6	1.6	4	22.3	70	F07 50	F05 9.0	7.0
DN50	2"	50.0	216	198	13.7	84.5	14	165.1	127.0	92.0	22.4	1.6	8	19.1	70	F07 50	F05 9.0	7.0
DN65	2-1/2"	64.0	241	265	18.0	106.8	17	190.5	149.4	104.7	25.4	1.6	8	22.3	102	F10 70	F07 12.0	10.0
DN80	3"	76.0	283	265	18.0	116.0	17	209.6	168.1	127.0	28.6	1.6	8	22.3	102	F10 70	F07 12.0	10.0
DN100	4"	100.0	305	325	18.0	154.5	17	254.0	200.2	157.2	31.8	1.6	8	22.3	102	F10 70	F07 12.0	10.0

DIMENSION

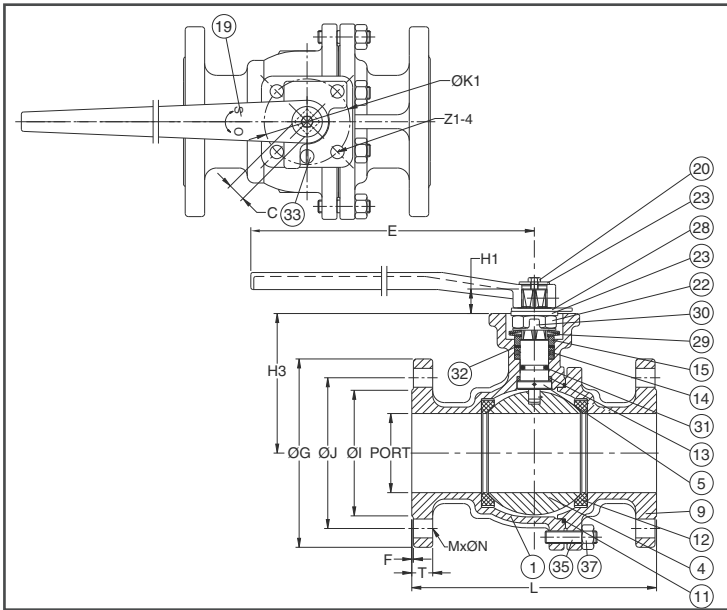
SIZE		PORT	L	E	H2	H3	C	ØG	ØJ	ØI	T	F	M	ØN	ØK	ØK1	Z-4	Z1-4
DN15	1/2"	0.59	5.51	4.41	0.33	1.89	0.35	3.75	2.62	1.38	0.56	0.06	4	0.63	1.97	F05 1.42	F03 0.28	0.24
DN20	3/4"	0.79	5.98	4.41	0.33	2.11	0.35	4.62	3.25	1.69	0.63	0.06	4	0.75	1.97	F05 1.42	F03 0.28	0.24
DN25	1"	0.98	6.50	5.35	0.37	2.52	0.35	4.88	3.50	2.01	0.69	0.06	4	0.75	1.97	F05 1.42	F03 0.28	0.24
DN32	1-1/4"	1.26	7.01	7.28	0.37	2.80	0.35	5.25	3.88	2.50	0.75	0.06	4	0.75	1.97	F05 1.42	F03 0.28	0.24
DN40	1-1/2"	1.50	7.48	7.80	0.55	2.99	0.55	6.12	4.50	2.88	0.81	0.06	4	0.88	2.76	F07 1.97	F05 0.35	0.28
DN50	2"	1.97	8.50	7.80	0.54	3.33	0.55	6.50	5.00	3.62	0.88	0.06	8	0.75	2.76	F07 1.97	F05 0.35	0.28
DN65	2-1/2"	2.52	9.49	10.43	0.71	4.20	0.67	7.50	5.88	4.12	1.00	0.06	8	0.88	4.02	F10 2.76	F07 0.47	0.39
DN80	3"	2.99	11.14	10.43	0.71	4.57	0.67	8.25	6.62	5.00	1.13	0.06	8	0.88	4.02	F10 2.76	F07 0.47	0.39
DN100	4"	3.94	12.01	12.80	0.71	6.08	0.67	10.00	7.88	6.19	1.25	0.06	8	0.88	4.02	F10 2.76	F07 0.47	0.39



ANSI Class 300 P-T Chart



Explosion Drawing



FEATURES

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13	THRUST WASHER	RTFE.(15%G.F.)
14	STEM PACKING	PTFE.(15%G.F.)
15	GLAND BUSH	SS304
19	HANDLE	FCD45
20	HANDLE BOLT	SS304
22	STEM NUT	SS304
23	HANDLE WASHER	SS304
28	STOP PLATE	SS304
29	BELLEVILLE WASHER	SS301
30	TAB WASHER	SS304
31	STEM O-RING	VITON®
32	PACKING FOLLOWER	PTFE.+25%G.F.
33	STOP PIN	SS304
35	STUD	ASTM A193 Gr.B8
37	BOLT NUT	ASTM A194 Gr.8

DIMENSION

unit : mm

SIZE	PORT	L	E	H1	H3	C	ØG	ØJ	ØI	T	F	M	ØN	ØK	Z		
DN125	5"	125.0	381	750	30.0	194.0	27	279.4	235.0	186.0	35.0	1.6	8	22.3	125	F12	14.0
DN150	6"	150.0	403	750	30.0	213.0	27	317.5	269.8	216.0	36.6	1.6	12	22.3	125	F12	14.0

DIMENSION

unit : inch

SIZE	PORT	L	E	H1	H3	C	ØG	ØJ	ØI	T	F	M	ØN	ØK	Z		
DN125	5"	4.92	15.00	29.53	1.18	7.64	1.06	11.00	9.25	7.32	1.38	0.06	8	0.88	4.92	F12	0.55
DN150	6"	5.91	15.87	29.53	1.18	8.39	1.06	12.50	10.62	8.50	1.44	0.06	12	0.88	4.92	F12	0.55