



FEATURES

- Investment Cast Body Construction
- ISO 5211 Direct Mounting Flange
- 4 Pieces of Seats Design
- Blow-Out-Proof Stem Design
- Available for either T-Port, L-Port, or X-Port
- Locking Device **OPTION**
- NACE MR0175 is available upon request
- Super Alloy materials for highly corrosive medium are available upon request

AUTOMATION AVAILABLE

SPECIFICATIONS

- Size Range 1/2" ~ 3" (DN15 ~ DN80)
- End Connection Threaded / Socket / Butt Weld Ends
- Working Pressure 1000PSI (CWP) for 1/2" ~ 3"
- Steam Pressure 150 PSIG. Saturated Steam for RTFE.
- Temperature Range -4 to 356 °F (-20 to 180 °C) for RTFE.

STANDARDS

- Design EN 12516-1/3
- Threaded End NPT/ BS 21 (BSP) / BSPT / ISO 228-1 / DIN 2999 / ISO 7-1Rp
- Socket Weld End ASME/ANSI B16.11
- Butt Weld End ASME/ANSI B16.25
- Face to Face MFG
- Material ASTM
- Pressure Testing API 598

CERTIFICATE

- 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.316
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
29	BELLEVILLE WASHER	SS410
30	TAB WASHER	SS304
31	O-RING	VITON®
32	PACKING FOLLOWER	PTFE.+25%G.F.
33	STOP PIN	SS304
35	BODY BOLT	SS304
36	BOLT WASHER	SS304

DIMENSION

SIZE	PORT	L		E	H	H1	H4	C	ØK	ØK1	Z	Z1	L1	SW	ØD	BW
		TH/SW	BW													
DN15	1/2"	16.0	96	96	186.5	89.0	9.0	47.8	9	42	F04	6	10	21.8	15.8	21.8
DN20	3/4"	20.0	107	107	218.0	98.0	11.0	58.2	11	50	F05	7	13	27.4	20.9	27.4
DN25	1"	25.0	126	126	218.0	102.0	11.5	64.0	11	50	F05	7	13	34.1	26.6	34.1
DN32	1-1/4"	32.0	133	133	235.0	118.5	15.2	79.0	14	70	F07	9	7	42.7	35.1	42.7
DN40	1-1/2"	38.0	151	151	235.0	127.0	14.3	88.5	14	70	F07	9	7	49.0	40.9	49.0
DN50	2"	50.0	166	166	252.0	139.0	17.8	105.8	17	102	F10	11	9	61.0	52.5	61.0
DN65	2-1/2"	65.0	175	194	302.0	165.7	17.5	117.3	17	102	F10	11	9	77.0	62.7	77.0
DN80	3"	80.0	210	207	302.0	170.0	17.5	128.0	17	102	F10	11	9	90.2	77.9	90.2

DIMENSION

SIZE	PORT	L		E	H	H1	H4	C	ØK	ØK1	Z	Z1	L1	SW	ØD	BW	
		TH/SW	BW														
DN15	1/2"	0.62	3.77	3.77	7.34	3.50	0.35	1.88	0.35	1.65	F04	0.23	0.39	0.85	0.62	0.85	
DN20	3/4"	0.78	4.21	4.21	8.58	3.85	0.43	2.29	0.43	1.96	F05	0.27	0.51	1.07	0.82	1.07	
DN25	1"	0.98	4.96	4.86	8.58	4.01	0.45	2.51	0.43	1.96	F05	0.27	0.51	1.34	1.04	1.34	
DN32	1-1/4"	1.25	5.23	5.23	9.25	4.66	0.59	3.11	0.55	2.75	F07	0.35	0.27	0.51	1.68	1.38	1.68
DN40	1-1/2"	1.49	5.94	5.94	9.92	5.00	0.56	3.48	0.55	2.75	F07	0.35	0.27	0.51	1.92	1.61	1.92
DN50	2"	1.96	6.53	6.53	9.92	5.47	0.70	4.16	0.66	4.01	F10	0.43	0.35	0.62	2.40	2.06	2.40
DN65	2-1/2"	2.55	6.88	7.63	11.88	6.52	0.68	4.61	0.66	4.01	F10	0.43	0.35	0.62	3.03	2.46	3.03
DN80	3"	3.14	8.26	8.14	11.88	6.69	0.68	5.03	0.66	4.01	F10	0.43	0.35	0.62	3.55	3.06	3.55