



FEATURES

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

AUTOMATION AVAILABLE

SPECIFICATIONS

- Size Range 1/4" ~ 3" (DN8 ~ DN80)
- End Connection Threaded / Socket Weld Ends
- Working Pressure 2000 PSI / PN140 (CWP)
- Steam Pressure 150 PSIG. Saturated Steam for PTFE.
- Temperature Range -4 to 356 °F (-20 to 180 °C) for PTFE.

STANDARDS

- Design ASME/ANSI B16.34
- Mounting Flange ISO 5211
- Threaded End NPT/ BS 21 (BSP) / BSPT / ISO 228-1 / DIN 2999 / ISO 7-1Rp
- Socket Weld End ASME/ANSI B16.11
- Face to Face MFG Standard
- Material ASTM
- Pressure Testing API 598

CERTIFICATE

- Fire Safe API 607 6th Edition / ISO 10497
- 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	17-4 PH
5-1	GROUNDING SPRING	SS304
9	END CAP	ASTM A351 Gr.CF8M ASTM A216 Gr.WCB
11	BODY SEAL	GRAPHITE
12	SEAT	PTFE.
13	THRUST WASHER	GRAPHITE
13-1	THRUST WASHER	PTFE.
13-2	THRUST WASHER	TFM1600
14	STEM PACKING	GRAPHITE
15	GLAND BUSH	SS304
19	HANDLE	SS304
21	HANDLE COVER	PLASTIC
23	SPRING	SS304
24	HANDLE NUT	SS304
24-1	HANDLE NUT	A2-70
28	STEM PLATE	SS304
29	BELLEVILLE WASHER	SUS304-CSP
30	TAB WASHER	SS304
31	O-RING	VITON®
33	STOP PIN	SS304
40	EYE BOLT	A2-70
50	STEM ADAPTER	ASTM A351 Gr.CF8
69	HANDLE BOLT	A2-70

DIMENSION

SIZE	PORT	unit : mm													
		L	E	H	H2	C	ØK-1	ØK	Z	Z1	L2	SW			
DN8	1/4"	11.0	78.8	132.0	64.0	8.1	9.0	42	F04	36	F03	6.0	6.0	10	14.2
DN10	3/8"	11.0	78.8	132.0	64.0	8.1	9.0	42	F04	36	F03	6.0	6.0	10	17.6
DN15	1/2"	15.0	78.8	132.0	64.0	8.1	9.0	42	F04	36	F03	6.0	6.0	10	21.8
DN20	3/4"	20.0	85.4	132.0	71.0	9.0	9.0	42	F04	36	F03	6.0	6.0	10	27.2
DN25	1"	25.0	96.3	180.0	92.0	11.5	11.0	50	F05	42	F04	7.0	6.0	13	33.9
DN32	1-1/4"	32.0	109.3	180.0	97.0	11.5	11.0	50	F05	42	F04	7.0	6.0	13	42.7
DN40	1-1/2"	38.1	120.3	225.0	112.0	14.5	14.0	70	F07	50	F05	9.0	7.0	13	48.8
DN50	2"	50.0	138.4	225.0	121.0	15.0	14.0	70	F07	50	F05	9.0	7.0	16	61.2
DN65	2-1/2"	65.0	183.0	477.0	165.0	17.0	17.0	102	F10	70	F07	11.0	9.0	16	73.9
DN80	3"	80.0	202.5	477.0	176.0	17.0	17.0	102	F10	70	F07	11.0	9.0	16	89.8

DIMENSION

SIZE	PORT	unit : inch													
		L	E	H	H2	C	ØK-1	ØK	Z	Z1	L2	SW			
DN8	1/4"	0.43	3.10	5.20	2.52	0.32	0.35	1.65	F04	1.42	F03	0.24	0.24	0.39	0.56
DN10	3/8"	0.43	3.10	5.20	2.52	0.32	0.35	1.65	F04	1.42	F03	0.24	0.24	0.39	0.69
DN15	1/2"	0.59	3.10	5.20	2.52	0.32	0.35	1.65	F04	1.42	F03	0.24	0.24	0.39	0.86
DN20	3/4"	0.79	3.36	5.20	2.80	0.35	0.35	1.65	F04	1.42	F03	0.24	0.24	0.39	1.07
DN25	1"	0.98	3.79	7.09	3.62	0.45	0.43	1.97	F05	1.65	F04	0.28	0.24	0.51	1.33
DN32	1-1/4"	1.26	4.30	7.09	3.82	0.45	0.43	1.97	F05	1.65	F04	0.28	0.24	0.51	1.68
DN40	1-1/2"	1.50	4.74	8.86	4.41	0.57	0.55	2.76	F07	1.97	F05	0.35	0.28	0.51	1.92
DN50	2"	1.97	5.45	8.86	4.76	0.59	0.55	2.76	F07	1.97	F05	0.35	0.28	0.63	2.41
DN65	2-1/2"	2.26	7.20	18.78	6.50	0.67	0.67	4.02	F10	4.02	F07	0.43	0.35	0.63	2.91
DN80	3"	3.15	7.97	18.78	6.93	0.67	0.67	4.02	F10	4.02	F07	0.43	0.35	0.63	3.54