



FEATURES

- Investment Cast Body Construction
- 2 Pieces Body Design
- Mounting Pad Design
- Blow-Out-Proof Stem Design
- Super Alloy materials for highly corrosive medium are available upon request

SPECIFICATIONS

- Size Range: DN8 ~ DN50 (1/4" ~ 2")
- End Connection: Threaded / Socket Weld Ends
- Working Pressure: PN140 for DN8 ~ DN25 / 2000PSI (CWP) for 1/4" ~ 1" / PN100 for DN32 ~ DN50 / 1500PSI (CWP) for 1-1/4" ~ 2"
- Steam Pressure: 150 PSIG. Saturated Steam for RTFE.
- Temperature Range: -4 to 356 °F (-20 to 180 °C) for RTFE.

STANDARDS

- Design: EN-12516-3
- Threaded End: NPT/ BS 21 (BSP) / BSPT / ISO 228-1 / DIN 2999 / ISO 7-1Rp
- Socket Weld End: ANSI B16.11
- Face to Face: DIN 3202 M3
- Material: EN1503-1
- Pressure Testing: EN 12266

CERTIFICATE

- Fire Safe **OPTION**: API6076th Edition/ISO10497
- Quality Assurance: ISO9001
- Material Certificate: EN 10204-3.1 MTR
- CE Approval: PED 2014/68/EU Module H

MATERIAL LIST		
NO.	PART NAME	MATERIAL (more options available)
1	BODY	EN1503-1 1.4408 EN1503-1 1.0619
4	BALL	ASTM A351 Gr.CF8M
5	STEM	ASTM A276 Gr.316
9	END CAP	EN1503-1 1.4408 EN1503-1 1.0619
11	BODY SEAL	PTFE.
12	SEAT	RTFE.(15%G.F.)
13	THRUST WASHER	PTFE.
14	STEM PACKING	PTFE.
16	GLAND NUT	SS304
19	HANDLE	SS304
21	HANDLE COVER	PLASTIC
24	HANDLE NUT	SS304
28	LOCKING DEVICE	SS304

DIMENSION														unit : mm
SIZE		PORT	L	L5	E	H	H2	H5	P	W1	L2	SW		
DN8	1/4"	11.5	60.0	28.2	97.4	50.0	9.5	35.5	38.5	28.5	10.0	14.2		
DN10	3/8"	12.5	60.0	28.2	97.4	50.0	9.5	35.5	38.5	28.5	10.0	17.5		
DN15	1/2"	15.0	75.0	35.7	123.0	58.8	12.4	42.3	38.6	28.5	10.0	21.8		
DN20	3/4"	20.0	80.0	40.2	123.0	62.5	12.2	42.5	45.8	35.0	13.0	27.4		
DN25	1"	25.0	90.0	45.0	145.0	69.3	17.7	45.8	45.8	35.0	13.0	34.1		
DN32	1-1/4"	32.0	110.0	53.4	145.0	76.0	17.3	46.2	47.2	38.0	13.0	42.7		
DN40	1-1/2"	38.0	120.0	60.0	189.0	87.0	20.1	51.7	47.0	38.0	13.0	49.0		
DN50	2"	50.0	140.0	69.5	189.0	95.0	20.0	52.7	49.2	38.0	16.0	61.0		

DIMENSION														unit : inch
SIZE		PORT	L	L5	E	H	H2	H5	P	W1	L2	SW		
DN8	1/4"	0.45	2.36	1.11	3.83	1.97	0.37	1.40	1.52	1.12	0.39	0.56		
DN10	3/8"	0.49	2.36	1.11	3.83	1.97	0.37	1.40	1.52	1.12	0.39	0.69		
DN15	1/2"	0.59	2.95	1.41	4.84	2.31	0.49	1.67	1.52	1.12	0.39	0.86		
DN20	3/4"	0.79	3.15	1.58	4.84	2.46	0.48	1.67	1.80	1.38	0.51	1.08		
DN25	1"	0.98	3.54	1.77	5.71	2.73	0.70	1.80	1.80	1.38	0.51	1.34		
DN32	1-1/4"	1.26	4.33	2.10	5.71	2.99	0.68	1.82	1.86	1.50	0.51	1.68		
DN40	1-1/2"	1.50	4.72	2.36	7.44	3.43	0.79	2.04	1.85	1.50	0.51	1.93		
DN50	2"	1.97	5.51	2.74	7.44	3.74	0.79	2.07	1.94	1.50	0.63	2.40		