



## FEATURES

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

## SPECIFICATIONS

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

## 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 MFG Standard
- Material ASTM
- Pressure Testing API 598

## CERTIFICATE

- Fire Safe API 607 6<sup>th</sup> 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	ASTM A276 Gr.316
9	END CAP	ASTM A351 Gr.CF8M ASTM A216 Gr.WCB
12	SEAT	PTFE.
13	THRUST WASHER	GRAPHITE
14	STEM PACKING	GRAPHITE
16	GLAND NUT	SS304
19	HANDLE	SS304
21	HANDLE COVER	PLASTIC
24	HANDLE NUT	SS304
27	ANTI-STATIC DEVICE	SS304
28	LOCKING DEVICE	SS304

## DIMENSION

SIZE		PORT	L	L2	L5	E	H	P	Z	SW
DN8	1/4"	11.5	60.0	10.0	28.2	97.4	50.0	28.5	3/16"-24	14.2
DN10	3/8"	12.5	60.0	10.0	28.2	97.4	50.0	28.5	3/16"-24	17.5
DN15	1/2"	15.0	75.0	10.0	35.7	123.0	58.8	28.5	3/16"-24	21.8
DN20	3/4"	20.0	80.0	13.0	40.2	123.0	62.5	35.0	3/16"-24	27.4
DN25	1"	25.0	90.0	13.0	45.0	145.0	69.3	35.0	3/16"-24	34.1
DN32	1-1/4"	32.0	110.0	13.0	53.4	145.0	76.0	38.0	1/4"-20	42.7
DN40	1-1/2"	38.0	120.0	13.0	60.0	189.0	86.9	38.0	1/4"-20	49.0
DN50	2"	50.0	140.0	16.0	69.5	189.0	95.0	38.0	1/4"-20	61.0

## DIMENSION

SIZE		PORT	L	L2	L5	E	H	P	Z	SW
DN8	1/4"	0.45	2.36	0.39	1.11	3.83	1.97	1.12	3/16"-24	0.56
DN10	3/8"	0.49	2.36	0.39	1.11	3.83	1.97	1.12	3/16"-24	0.69
DN15	1/2"	0.59	2.95	0.39	1.41	4.84	2.31	1.12	3/16"-24	0.86
DN20	3/4"	0.79	3.15	0.51	1.58	4.84	2.46	1.38	3/16"-24	1.08
DN25	1"	0.98	3.54	0.51	1.77	5.71	2.73	1.38	3/16"-24	1.34
DN32	1-1/4"	1.26	4.33	0.51	2.10	5.71	2.99	1.50	1/4"-20	1.68
DN40	1-1/2"	1.50	4.72	0.51	2.36	7.44	3.42	1.50	1/4"-20	1.93
DN50	2"	1.97	5.51	0.63	2.74	7.44	3.74	1.50	1/4"-20	2.40