



FEATURES

- Investment Cast Body Construction
- 1 Piece Body Design
- Hexagon Body Shape
- Blow-Out-Proof Stem Design
- Integral Seat & Body Seal Design for 1/4" ~ 1"
- Super Alloy materials for highly corrosive medium are available upon request

SPECIFICATIONS

- Size Range 1/4" ~ 2" (DN8 ~ DN50)
- End Connection Threaded Ends
- Working Pressure 800PSI (CWP) for 1/4" ~ 2" / PN40 for DN8 ~ DN50
- Steam Pressure 150 PSIG. Saturated Steam for PTFE.
- Temperature Range -4 to 320 °F (-20 to 160 °C) for PTFE.

STANDARDS

- Design EN-12516-1/3
- Threaded End NPT/ BS 21 (BSP) / BSPT / ISO 228-1 / DIN 2999 / ISO 7-1Rp
- Face to Face MFG Standard
- 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

MATERIAL LIST

NO.	PART NAME	MATERIAL (more options available)
1	BODY	ASTM A351 Gr.CF8M
		ASTM A216 Gr.WCB
4	BALL	ASTM A276 Gr.316 for 1/4" ~ 1/2" ASTM A351 Gr.CF8M for 3/4" ~ 2"
5	STEM	ASTM A276 Gr.316
9	INSERT CAP	ASTM A351 Gr.CF8M
		ASTM A216 Gr.WCB
11	BODY SEAL	PTFE.
12	SEAT	PTFE.
13	THRUST WASHER	PTFE.
14	STEM PACKING	PTFE.
15	GLAND WASHER	SS304
19	HANDLE	SS304
21	HANDLE COVER	PLASTIC
23	SPRING WASHER	SS304
24	HANDLE NUT	SS304

DIMENSION

unit : mm

SIZE	PORT	L	E	H	W	
DN8	1/4"	5.0	39.0	70.0	30.6	17.0
DN10	3/8"	7.2	44.0	81.5	31.0	21.0
DN15	1/2"	9.2	56.5	97.0	47.0	25.0
DN20	3/4"	12.5	59.0	97.0	51.0	32.0
DN25	1"	15.0	71.0	101.0	52.0	38.0
DN32	1-1/4"	20.0	78.0	101.0	57.0	48.0
DN40	1-1/2"	25.0	83.0	146.0	66.5	53.0
DN50	2"	32.0	98.0	146.0	71.5	64.0

DIMENSION

unit : inch

SIZE	PORT	L	E	H	W	
DN8	1/4"	0.19	1.53	2.75	1.20	0.66
DN10	3/8"	0.28	1.73	3.20	1.22	0.82
DN15	1/2"	0.36	2.22	3.81	1.85	0.98
DN20	3/4"	0.49	2.32	3.81	2.00	1.25
DN25	1"	0.59	2.79	3.97	2.04	1.49
DN32	1-1/4"	0.78	3.07	3.97	2.24	1.88
DN40	1-1/2"	0.98	3.26	5.74	2.61	2.08
DN50	2"	1.25	3.85	5.74	2.81	2.51