



### FEATURES

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

### SPECIFICATIONS

- Size Range 1/4" ~ 3" ( DN8 ~ DN80 )
- End Connection Threaded Ends
- Working Pressure 1000PSI ( CWP ) for 1/4" ~ 2" / PN63 Bar for DN8 ~ DN50  
800PSI ( CWP ) for 2-1/2" ~ 3" / PN40 Bar for DN65 ~ DN80
- Steam Pressure 150 PSIG. Saturated Steam for PTFE.
- Temperature Range -4 to 356 °F ( -20 to 180 °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
- 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	PTFE.
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 ( OPTION )

### DIMENSION

		unit : mm														
SIZE	PORT	L	L1	E	H	H2	H5	C	ØY	W	W1	P	Z			
DN8	1/4"	11.5	54.4	25.4	103.9	50.0	9.5	35.5	4	5/16-24P	22	38.5	28	3/16"-24		
DN10	3/8"	12.5	54.4	25.4	103.9	50.0	9.5	35.5	4	5/16-24P	22	38.5	28	3/16"-24		
DN15	1/2"	15.0	65.3	30.9	123.0	56.5	12.4	42.3	5	3/8-16P	25	38.6	28	3/16"-24		
DN20	3/4"	20.0	77.3	39.9	123.0	60.5	12.2	42.5	5	3/8-16P	32	45.8	35	3/16"-24		
DN25	1"	25.0	88.7	44.3	145.0	69.3	17.7	45.8	8	M12-1.75P	40	45.8	35	3/16"-24		
DN32	1-1/4"	32.0	102.4	54.5	145.0	76.0	17.3	46.2	8	M12-1.75P	49	47.2	38	1/4"-20		
DN40	1-1/2"	38.1	109.0	54.5	189.0	84.5	20.1	51.7	10	M16-2.0P	55	47.0	38	1/4"-20		
DN50	2"	50.0	125.3	62.2	189.0	95.0	20.0	52.7	10	M16-2.0P	69	49.2	38	1/4"-20		
DN65	2-1/2"	65.0	165.0	81.4	255.0	131.3	21.5	76.3	10	M16-2.0P	85	68.5	55	1/4"-20		
DN80	3"	80.0	189.5	94.9	261.0	140.6	27.5	74.9	12	3/4-10P	102	69.5	55	1/4"-20		

### DIMENSION

		unit : inch														
SIZE	PORT	L	L1	E	H	H2	H5	C	ØY	W	W1	P	Z			
DN8	1/4"	0.45	2.14	1.00	4.09	1.96	0.37	1.39	0.15	5/16-24P	0.86	1.51	1.10	3/16"-24		
DN10	3/8"	0.49	2.14	1.00	4.09	1.96	0.37	1.39	0.15	5/16-24P	0.86	1.51	1.10	3/16"-24		
DN15	1/2"	0.59	2.57	1.21	4.84	2.22	0.48	1.66	0.19	3/8-16P	0.98	1.51	1.10	3/16"-24		
DN20	3/4"	0.78	3.04	1.57	4.84	2.38	0.48	1.67	0.19	3/8-16P	1.25	1.80	1.37	3/16"-24		
DN25	1"	0.98	3.49	1.74	5.70	2.72	0.69	1.80	0.31	M12-1.75P	1.57	1.80	1.37	3/16"-24		
DN32	1-1/4"	1.25	4.03	2.14	5.70	2.99	0.68	1.81	0.31	M12-1.75P	1.92	1.85	1.49	1/4"-20		
DN40	1-1/2"	1.50	4.29	2.14	7.44	3.32	0.79	2.03	0.39	M16-2.0P	2.16	1.85	1.49	1/4"-20		
DN50	2"	1.96	4.93	2.44	7.44	3.74	0.78	2.07	0.39	M16-2.0P	2.71	1.93	1.49	1/4"-20		
DN65	2-1/2"	2.55	6.49	3.20	10.03	5.16	0.84	3.00	0.39	M16-2.0P	3.34	2.69	2.16	1/4"-20		
DN80	3"	3.14	7.46	3.73	10.27	5.53	1.08	2.94	0.47	3/4-10P	4.01	2.73	2.16	1/4"-20		