



## FEATURES

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

AUTOMATION AVAILABLE

## SPECIFICATIONS

- Size Range DN8 ~ DN80 ( 1/4" ~ 3" )
- End Connection Threaded Ends
- Working Pressure 1.4408 PN63 - 61.2 Bar at RT  
1.0619 PN63 - 61.4 Bar at RT
- Steam Pressure 150 PSIG. Saturated Steam for RTFE.
- Temperature Range -4 to 356 °F ( -20 to 180 °C ) for RTFE.

## STANDARDS

- Design EN 12516-1/3
- Mounting Flange ISO 5211
- Threaded End NPT/ BS 21 ( BSP ) / BSPT / ISO 228-1 / DIN 2999 / ISO 7-1Rp
- Face to Face MFG Standard
- Material EN1503-1
- Pressure Testing EN 12266

## CERTIFICATE

- Quality Assurance ISO 9001
- 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	RTFE.(15%G.F.)
14	STEM PACKING	RTFE.(15%G.F.)
15	GLAND BUSH	SS304
19	HANDLE	SS304
21	HANDLE COVER	PLASTIC
22	STEM NUT	SS304
23	HANDLE WASHER	SS304
24	HANDLE NUT	SS304
28	LOCKING DEVICE	SS304
29	BELLEVILLE WASHER	SUS304-CSP
30	TAB WASHER	SS304
31	O-RING	VITON®
32	PACKING FOLLOWER	PTFE.+25%G.F.
33	STOP PIN	SS304

## DIMENSION

SIZE		PORT	L	E	H	H1	H4	C	ØK	ØK1	Z	Z1		
DN8	1/4"	11.5	65.3	112.0	72.9	8.5	37.0	9.0	50	F05	36	F03	7.0	6.0
DN10	3/8"	12.5	65.3	112.0	72.9	8.5	37.0	9.0	50	F05	36	F03	7.0	6.0
DN15	1/2"	15.0	65.3	112.0	72.9	8.5	37.0	9.0	50	F05	36	F03	7.0	6.0
DN20	3/4"	20.0	77.3	112.0	81.8	8.5	45.0	9.0	50	F05	36	F03	7.0	6.0
DN25	1"	25.0	88.7	136.0	90.5	9.5	53.5	9.0	50	F05	36	F03	7.0	6.0
DN32	1-1/4"	32.0	102.4	185.0	98.0	9.5	59.0	9.0	50	F05	36	F03	7.0	6.0
DN40	1-1/2"	38.0	109.0	197.9	114.7	14.0	74.8	14.0	70	F07	50	F05	9.0	7.0
DN50	2"	50.0	125.3	197.9	124.0	13.7	83.5	14.0	70	F07	50	F05	9.0	7.0
DN80	3"	80.0	189.5	267.0	208.5	18.0	118.3	17.0	102	F10	70	F07	11.0	9.0

## DIMENSION

SIZE		PORT	L	E	H	H1	H4	C	ØK	ØK1	Z	Z1		
DN8	1/4"	0.45	2.57	4.40	2.87	0.33	1.45	0.35	1.96	F05	1.41	F03	0.27	0.23
DN10	3/8"	0.49	2.57	4.40	2.87	0.33	1.45	0.35	1.96	F05	1.41	F03	0.27	0.23
DN15	1/2"	0.59	2.57	4.40	2.87	0.33	1.45	0.35	1.96	F05	1.41	F03	0.27	0.23
DN20	3/4"	0.78	3.04	4.40	3.22	0.33	1.77	0.35	1.96	F05	1.41	F03	0.27	0.23
DN25	1"	0.98	3.49	5.35	3.56	0.37	2.10	0.35	1.96	F05	1.41	F03	0.27	0.23
DN32	1-1/4"	1.25	4.03	7.28	3.85	0.37	2.32	0.35	1.96	F05	1.41	F03	0.27	0.23
DN40	1-1/2"	1.49	4.29	7.79	4.51	0.55	2.94	0.55	2.75	F07	1.96	F05	0.35	0.27
DN50	2"	1.96	4.93	7.79	4.88	0.53	3.28	0.55	2.75	F07	1.96	F05	0.35	0.27
DN80	3"	3.14	7.46	10.51	8.20	0.70	4.65	0.66	4.01	F10	2.75	F07	0.43	0.35