

Specification Sheet

NovAseptic® Valve Pneumatic Stainless Steel Actuator, Normally Open (NO)

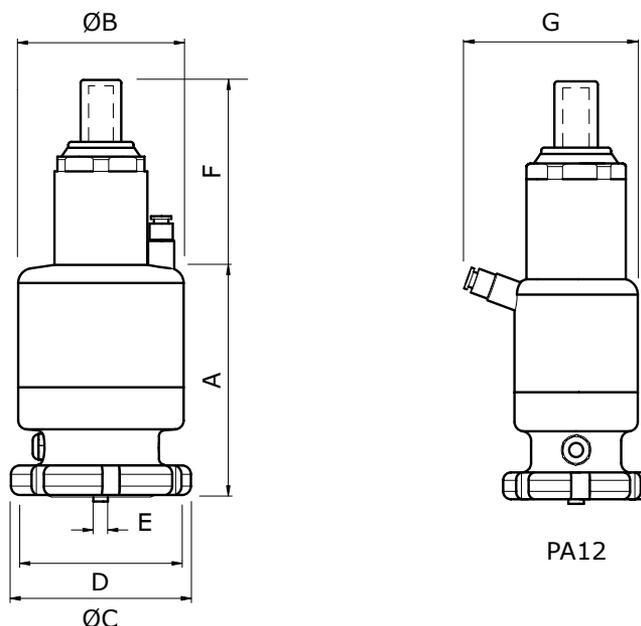
Product Description

NovAseptic® actuators are designed to work with all valve bodies. The valves may be used either in a Normally Open or Normally Closed position, depending on the requirements of the process. The actuator is attached with a simple locking ring. Both metric and english press fit connection fittings are included in the packaging for your convenience.

Catalogue No. Structure

PA##/100

= Valve size



Nominal Dimensions in mm (in.)

For use with Valve Body Size

Catalogue No.	A	B	C	D*	E	F	G	NA##	NU###
PA12/100	69.7 (2.744)	40.0 (1.575)	47.0 (1.850)	TR40 x 2	M5	62.7 (2.469)	56.0 (2.205)	NA12	NU050
PA18/100	78.0 (3.071)	57.0 (2.244)	62.0 (2.441)	TR55 x 2	M5	62.7 (2.469)	-	NA18	NU075
PA25/100	95.1 (3.744)	72.0 (2.835)	84.0 (3.307)	TR75 x 2	M6	62.7 (2.469)	-	NA25	NU100
PA38/100	100.8 (3.969)	85.0 (3.346)	94.0 (3.701)	TR85 x 2	M6	62.7 (2.469)	-	NA38	NU150
PA51/100	143.3 (5.642)	102.0 (4.016)	120.0 (4.724)	TR109 x 2	M6	62.7 (2.469)	-	NA51	NU200
PA76/100	161.70 (6.366)	125.0 (4.921)	159.2 (6.267)	TR146 x 2	M6	66.0 (2.598)	-	NA76	NU300

* Non-standard thread, special thread to fit NovAseptic® actuators.

Specifications

Net Weight (approximate)						
Actuator	PA12/100	PA18/100	PA25/100	PA38/100	PA51/100	PA76/100
Weight kg (lb)	0.6 (1.3)	1.1 (2.43)	1.9 (4.19)	2.5 (5.51)	4.8 (10.6)	7.6 (15.4)

Material			
	Cover Stainless Steel in Compliance with		
	Indicator Plastic in Compliance with		
Material Code	EN 1.4305	ASTM® 303	POM C

Design Pressure							
	PA12/100	PA18/100	PA25/100	PA38/100	PA51/100	PA76/100	
Maximum	bar(g)	6.0	6.0	6.0	6.0	6.0	3.0
	psi(g)	87	87	87	87	87	43
Minimum	bar(g)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	psi(g)	-14	-14	-14	-14	-14	-14

Air Feed Pressure							
	PA12/100	PA18/100	PA25/100	PA38/100	PA51/100	PA76/100	
Maximum	bar(g)	7.0	7.0	7.0	7.0	7.0	8.0
	psi(g)	101	101	101	101	101	116
Minimum	bar(g)	5.5	5.5	5.5	5.5	5.5	7.0
	psi(g)	80	80	80	80	80	102
Pneumatic Fast Fitting	mm (in.)	4 (1/8)	4 (1/8)	6 (1/4)	6 (1/4)	6 (1/4)	6 (1/4)

Specifications	
Surface Roughness	External surface Ra ≤ 1.6 µm (63 µin)
Environment Temperature	0 °C to 70 °C (32 °F to 158 °F) Note: the applied valve body and diaphragm may have different design temperature and/or pressure limits. The weakest component in the assembled product determines the maximum design temperature and pressure limits.
Labeling	Each actuator labeled for full LOT traceability according to our QA routines.
Packaging	The actuator is packaged in a closed box.
Quality Control	Our quality assurance system guarantees the control and traceability of the product.
Options	For non-standard NovAseptic® actuator options, please contact us for further information.

Technical Assistance

For more information, please visit [SigmaAldrich.com](https://www.SigmaAldrich.com) for up-to-date worldwide contact information

