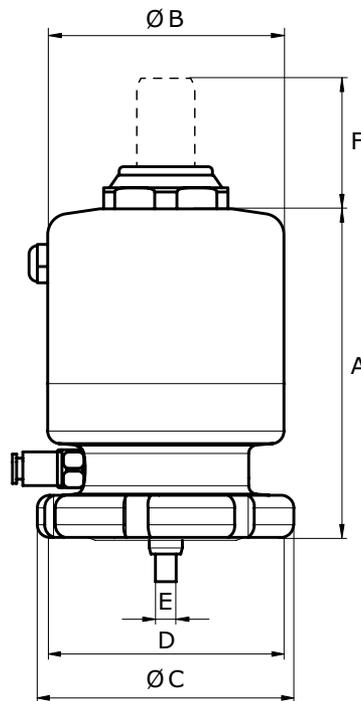


Specification Sheet

NovAseptic® Valve Pneumatic Stainless Steel Actuator, Normally Closed, ATEX



Nominal Dimensions in mm (in.)

AX##	A	B	C	D*	E	F	NA##	NU###
AX12	67.9 (2.673)	40.0 (1.575)	47.0 (1.850)	TR40 x 2	M5	28.0 (11.024)	NA12	NU050
AX18	78.0 (3.071)	57.0 (2.244)	62.0 (2.441)	TR55 x 2	M5	28.0 (11.024)	NA18	NU075
AX25	96.1 (3.783)	72.0 (2.835)	85.0 (3.346)	TR75 x 2	M6	28.0 (11.024)	NA25	NU100
AX38	100.8 (3.969)	85.0 (3.346)	95.0 (3.740)	TR85 x 2	M6	28.0 (11.024)	NA38	NU150
AX51	143.3 (5.642)	102.0 (4.016)	120.0 (4.724)	TR109 x 2	M6	24.7 (9.724)	NA51	NU200
AX76	61.7 (2.429)	125.0 (4.921)	159.0 (6.260)	TR146 x 2	M6	26.5 (10.433)	NA76	NU300

*Note: Non-standard thread, Actuator specific

Specifications

Net Weight (approximate)						
Actuator	AX12	AX18	AX25	AX38	AX51	AX76
Weight kg (lb)	0.5 (1.1)	1.0 (2.20)	1.9 (4.19)	1.5 (3.31)	5.3 (11.7)	9.0 (19.8)

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

Design Pressure							
		AX12	AX18	AX25	AX38	AX51	AX76
Max	bar(g)	6.0	6.0	6.0	6.0	6.0	3.0
	(psi(g))	(87)	(87)	(87)	(87)	(87)	(43)
Min	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							
		AX12	AX18	AX25	AX38	AX51	AX76
Max	bar(g)	7.0	7.0	7.0	7.0	7.0	8.0
	(psi(g))	(101)	(101)	(101)	(101)	(101)	(116)
Min	bar(g)	5.5	5.5	5.5	5.5	5.5	7.0
	(psi(g))	(80)	(80)	(80)	(80)	(80)	(102)
Pneumatic fastener fitting mm (in.)		4 (0.16)	4 (0.16)	6 (0.24)	6 (0.24)	6 (0.24)	6 (0.24)

Additional Information	
Technical Data	II 1 GD Ex h IIB T5...T3 (*) Ga Ex h IIIC T95 °C...T200 °C (*) Da LCIE 19 ATEX 3018 X T _{amb} : +0 °C à +70 °C
Surface Roughness	External surface Ra ≤ 1.6 µm (63 µin)
Environment Temperature	0 to 70 °C (32 to 158 °F) The NovAseptic® ATEX Actuator is classified for the temperature class T5...T3 for gas and T95 °C...T200 °C for dust related to the process fluid temperature.
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 is labeled for full LOT traceability according to our QA routines. The NovAseptic® ATEX Actuator is marked with the assembly ATEX label.
Packaging	The Actuator is packaged in a closed box.
Quality Control	Our Quality Assurance System guarantees the control and traceability of the product.

* see EU Type examination certificate LCIE 19 ATEX 3018X

Technical Assistance

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

