



Ref.	Dimensions (mm)
Flange	F05 – F07
C x depth	M6x9
D x depth	M8x12
E	50
F	70
B	14
O	16.5
A	392.7
G	13
I	10
L	90.4
M	37.7
N	52.7
P	32.7
Q	37.7
R	14.5
S	20
T	70.4
U	129.4
V	180
Y	137.6
W	1/8" GAS
Z	263.3
Ch 1	13
Ch 2	28
Ancillaries Attachment	AA1

Function



**Spring return Actuators Normally Closed (N.C.) - Output Torque related to rotation angle , in Nm
(0° valve closed 90° valve open)**

Spring Torque				Air pressure supply in bar																														
SIZE	0°	50°	90°	2,4		2,8			3			3,5			4,2			5			5,6			6			7			8				
				0°	50°	90°	0°	50°	90°	0°	50°	90°	0°	50°	90°	0°	50°	90°	0°	50°	90°	0°	50°	90°	0°	50°	90°	0°	50°	90°				
2,8	17,5	13,0	26,5	11,4	5,4	6,4	15,0	7,5	10,0	16,8	8,6	11,8	21,3	11,3	16,3	27,5	15,0	22,5																
3,5	22,0	16,5	33,0								14,3	6,7	8,0	18,8	9,4	12,5	25,1	13,2	18,8	32,2	17,5	25,9	37,6	20,7	31,3									
4,2	26,0	19,5	40,0										16,3	7,5	8,8	22,5	11,3	15,0	29,6	15,6	22,1	35,0	18,8	27,5	38,6	21,0	31,1	47,5	26,4	40,0	56,4	31,7	48,9	
5,6	35,0	26,0	53,0																	24,6	11,8	14,6	30,0	15,0	20,0	33,6	17,1	23,6	42,5	22,5	32,5	51,4	27,9	41,4

Technical Data

Max Pressure	** Min Pressure	Rotation	Stroke Adjustment	Screw Stroke Adjustment	*Moving time (sec.)		Operating temperature (°C)
					Opening	Closing	
8.4 bar	1 bar	92° -1° +91°	Not available	For 1° drive Need 1/3 turn screw	0.23	0.27	Standard -20°C +80°C High temperature -20°C +150°C Low temperature -50°C +60°C

Weight Kg	Chamber Ø (mm)	Air volume L/cycle	Theoretical n° of turns to close/open starting from neutral position	Rim pull force (N) to obtain the nominal torque	Maximum flange torque values
3.15	50	0.17	11	19.3	F05 = 125 Nm F07 = 250 Nm

****Attention:**
for "High Temperature"
and "Low Temperature" version,
the Min Pressure is 3 bar.

*The moving time could vary on different operating and installation factors .

Operating Medium

The operating medium shall have a dew point equal to - 20 °C or, to be at least, 10 °C below the ambient temperature (ISO 8573-1, Class 3).
The maximum particle size shall not exceed 40 µm (ISO 8573-1, Class 5).