



Ref.	Dimensions (mm)
Flange	F10 - F12
C x depth	M10x15
D x depth	M12x18
E	102
F	125
B	36
O	38,5
A	842,9
G	19,5
I	24
L	198
M	93,5
N	104,5
P	74,5
Q	93,5
R	36,5
S	30
T	168
U	324,1
V	350
Y	297,1
W	1/4" GAS
Z	518,8
Ch 1	27
Ch 2	40
Ancillaries Attachment	AA2

### 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																																
	2,4			2,8			3			3,5			4,2			5			5,6			6			7			8					
SIZE	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°	0°	50°	90°			
2,8	160,0	120,0	240,0	182,9	85,7	102,9	240,0	120,0	160,0	268,6	137,1	188,6	340,0	180,0	260,0	440,0	240,0	360,0															
3,5	200,0	150,0	300,0							228,6	107,1	128,6	300,0	150,0	200,0	400,0	210,0	300,0	514,3	278,6	414,3	600,0	330,0	500,0									
4,2	240,0	180,0	360,0										260,0	120,0	140,0	360,0	180,0	240,0	474,3	248,6	354,3	560,0	300,0	440,0	617,1	334,3	497,1	760,0	420,0	640,0	902,9	505,7	782,9
5,6	320,0	240,0	480,0																394,3	188,6	234,3	480,0	240,0	320,0	537,1	274,3	377,1	680,0	360,0	520,0	822,9	445,7	662,9

### 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 1/2 turn screw	1.8	2	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
28.1	125	2.8	20	128.6	F10 = 500 Nm F12 = 1000 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).