



All the dimensions are in mm.

Ref.	Dimensions
Flange	F07 F10
C x depth	M8x14
D x depth	M10x16
E	70
F	102
B	22
O	24.3
A1	464
G	19
H (bore)	77.9
I	19
L	160
M	67.9
N	92.1
P	70.9
Q	68.7
R	29
S	30
T	130
X	139.6
W	1/8" GAS

**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	80.0	60.0	120.0	91.4	42.9	51.4	120.0	60.0	80.0	134.3	68.6	94.3	170.0	90.0	130.0	220.0	120.0	180.0																	
3,5	100.0	75.0	150.0							114.3	53.6	64.3	150.0	75.0	100.0	200.0	105.0	150.0	257.1	139.3	207.1	300.0	165.0	250.0											
4,2	120.0	90.0	180.0										130.0	60.0	70.0	180.0	90.0	120.0	237.1	124.3	177.1	280.0	150.0	220.0	308.6	167.1	248.6	380.0	210.0	320.0	451.4	252.9	391.4		
5,6	160.0	120.0	240.0																197.1	94.3	117.1	240.0	120.0	160.0	268.6	137.1	188.6	340.0	180.0	260.0	411.4	222.9	331.4		

**Technical Data**

Max Pressure	** Min Pressure	Rotation	Stroke Adjustment	Screw Stroke Adjustment	*Moving time (sec.)		Operating temperature (°C)	
					Opening	Closing		
8.4 bar	2.4 bar	92° -1° +91°	-	-	1.5	1.7	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	Spring return Actuator with spring force 2.8 , is manufactured with only one spring cap and normal end cap (available only in standard version).				A2	Weight Kg
12.9	100	1.38					381	11.2

\*The moving time depend on different operating end installation factors .

\*\*Attention: for "High Temperature" and "Low Temperature" version, the Min Pressure is 3.5 bar.