



Ref.	Dimensions
Flange	F10 F12
C x depth	M10x15
D x depth	M12x18
E	102
F	125
B	27
O	29.5
A	613
G	19.5
H (bore)	61.5
I	22
L	178
M	78.5
N	99.5
P	69.5
Q	78.5
R	31.8
S	30
T	148
W	1/4"GAS
Ch	27

**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	1200	90.0	180.0	137.1	64.3	77.1	180.0	90.0	120.0	201.4	102.9	141.4	255.0	135.0	195.0	330.0	180.0	270.0																		
3,5	1500	112.5	225.0								171.4	80.4	96.4	225.0	112.5	150.0	300.0	157.5	225.0	385.7	208.9	310.7	450.0	247.5	375.0											
4,2	1800	135.0	270.0										195.0	90.0	105.0	270.0	135.0	180.0	355.7	186.4	265.7	420.0	225.0	330.0	462.9	250.7	372.9	570.0	315.0	480.0	677.1	379.3	587.1			
5,6	2400	180.0	360.0																295.7	141.4	175.7	360.0	180.0	240.0	402.9	205.7	282.9	510.0	270.0	390.0	617.1	334.3	497.1			

**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°	10 °	For 1° drive Need 1/2 turn screw	1.7	1.9	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).				A1	Weight Kg
							523	14.5

\*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.