



Ref.	Dimensions (mm)
Flange	F10 – F12
C x depth	M10x15
D x depth	M12x18
E	102
F	125
B	27
O	29.5
A	608
G	19
I	19
L	164.9
M	72.9
N	92
P	62
Q	72.9
R	29
S	30
T	134.9
U	193.8
V	300
Y	236.4
W	1/4" GAS
Z	414.2
Ch 1	27
Ch 2	40
Ancillaries Attachment	AA2

**Double Acting Actuators - Output Torque related to rotation angle , in Nm  
(0°valve closed 90°valve open )**

ROTATION ANGLE	Air pressure supply in bar							
	2,5	3	4	5	5,6	6	7	8
0°	214.3	257.1	342.9	428.6	480	514.3	600	685.7
50°	107.1	128.6	171.4	214.3	240	257.1	300	342.9
90°	160.7	192.9	257.1	321.4	360	385.7	450	514.3

**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	-	0.46	0.40	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
13.2	100	2.95	16	83.3	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).