



| Ref.      | Dimensions |
|-----------|------------|
| Flange    | F05 F07    |
| C x depth | M6x9       |
| D x depth | M8x12      |
| E         | 50         |
| F         | 70         |
| B         | 14         |
| O         | 16.5       |
| A         | 198        |
| G         | 13         |
| H (bore)  | 37.7       |
| 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       |
| W         | 1/8" GAS   |
| Ch        | 13         |

**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°             | 26.8                       | 32.1 | 42.9 | 53.6 | 60  | 64.3 | 75   | 85.7 |
| 50°            | 13.4                       | 16.1 | 21.4 | 26.8 | 30  | 32.1 | 37.5 | 42.9 |
| 90°            | 20.1                       | 24.1 | 32.1 | 40.2 | 45  | 48.2 | 56.3 | 64.3 |

**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°<br>-1° +91° | 10 °              | For 1° drive<br>Need 1/3 turn screw | 0.10                | 0.11    | Standard -20°C +80°C<br>High temperature -20°C +150°C<br>Low temperature -50°C +60°C |

| Weight Kg | Chamber Ø (mm) | Air volume L/cycle |
|-----------|----------------|--------------------|
| 1.5       | 50             | 0.3                |

**\*\*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 .