



Function



| Ref.                   | Dimensions (mm) |
|------------------------|-----------------|
| Flange                 | F05 - F07       |
| C x depth              | M6x9            |
| D x depth              | M8x12           |
| E                      | 50              |
| F                      | 70              |
| B                      | 17              |
| O                      | 19.3            |
| A                      | 338.5           |
| G                      | 13              |
| H (bore)               | 44.8            |
| I                      | 12              |
| L                      | 107             |
| M                      | 46.8            |
| N                      | 60.2            |
| P                      | 40.2            |
| Q                      | 46.8            |
| R                      | 18              |
| S                      | 20              |
| T                      | 87              |
| W                      | 1/8" GAS        |
| Ch                     | 17              |
| Ancillaries Attachment | AA1             |

**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 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |  |  |  |  |  |
|---------------|------|------|------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|--|--|--|--|--|
| SIZE          | 0°   | 50°  | 90°  | 2,4                        |      | 2,8  |      |      | 3    |      |      | 3,5  |      |      | 4,2  |      |      | 5    |      |      | 5,6  |      |      | 6    |      |      | 7    |      |      | 8    |       |      |      |  |  |  |  |  |
|               |      |      |      | 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           | 20,0 | 15,0 | 30,0 | 22,9                       | 10,7 | 12,9 | 30,0 | 15,0 | 20,0 | 33,6 | 17,1 | 23,6 | 42,5 | 22,5 | 32,5 | 55,0 | 30,0 | 45,0 |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |  |  |  |  |  |
| 3,5           | 25,0 | 18,8 | 37,5 |                            |      |      |      |      |      | 28,6 | 13,4 | 16,1 | 37,5 | 18,8 | 25,0 | 50,0 | 26,3 | 37,5 | 64,3 | 34,9 | 51,8 | 75,0 | 41,4 | 62,5 |      |      |      |      |      |      |       |      |      |  |  |  |  |  |
| 4,2           | 30,0 | 22,5 | 45,0 |                            |      |      |      |      |      |      |      |      | 32,5 | 15,0 | 17,5 | 45,0 | 22,5 | 30,0 | 59,3 | 31,1 | 44,3 | 70,0 | 37,5 | 55,0 | 77,1 | 41,8 | 62,1 | 95,0 | 52,5 | 80,0 | 112,9 | 63,2 | 97,9 |  |  |  |  |  |
| 5,6           | 40,0 | 30,0 | 60,0 |                            |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 49,3 | 23,6 | 29,3 | 60,0 | 30,0 | 40,0 | 67,1 | 34,3 | 47,1 | 85,0 | 45,0 | 65,0 | 102,9 | 55,7 | 82,9 |  |  |  |  |  |

**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°<br>-1° +91° | 10°               | For 1° drive<br>Need 1/2 turn screw | 0.48                | 0.56    | 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 | Maximum flange torque values |
|-----------|----------------|--------------------|------------------------------|
| 3.35      | 63             | 0.33               | F05 = 125 Nm<br>F07 = 250 Nm |

|   | A1    | Weight Kg |
|---|-------|-----------|
| Spring return Actuator with spring force 2.8, is manufactured with only one spring cap and normal end cap (available only in standard version). | 291.3 | 3.29      |

\*The moving time could vary on different operating and installation factors.

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

**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).