



| Ref. | Dimensions (mm) |
|------------------------|-----------------|
| Flange | F12 |
| D x depth | M12x18 |
| F | 125 |
| B | 36 |
| O | 38.5 |
| A | 920.6 |
| G | 19.5 |
| I | 27 |
| L | 216 |
| M | 101.5 |
| N | 114.5 |
| P | 84.5 |
| Q | 101.5 |
| R | 41 |
| S | 30 |
| T | 186 |
| U | 283.5 |
| V | 400 |
| Y | 365.6 |
| W | 1/4" GAS |
| Z | 637.1 |
| Ch 1 | 36 |
| 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° | 642.9 | 771.4 | 1028.6 | 1285.7 | 1440.0 | 1542.9 | 1800.0 | 2057.1 |
| 50° | 321.4 | 385.7 | 514.3 | 642.9 | 720.0 | 771.4 | 900.0 | 1028.6 |
| 90° | 482.1 | 578.6 | 771.4 | 964.3 | 1080.0 | 1157.1 | 1350.0 | 1542.9 |

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 | - | 1.36 | 1.21 | 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 |
|-----------|----------------|--------------------|--|---|------------------------------|
| 33.6 | 145 | 9.66 | 25 | 133.5 | 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).