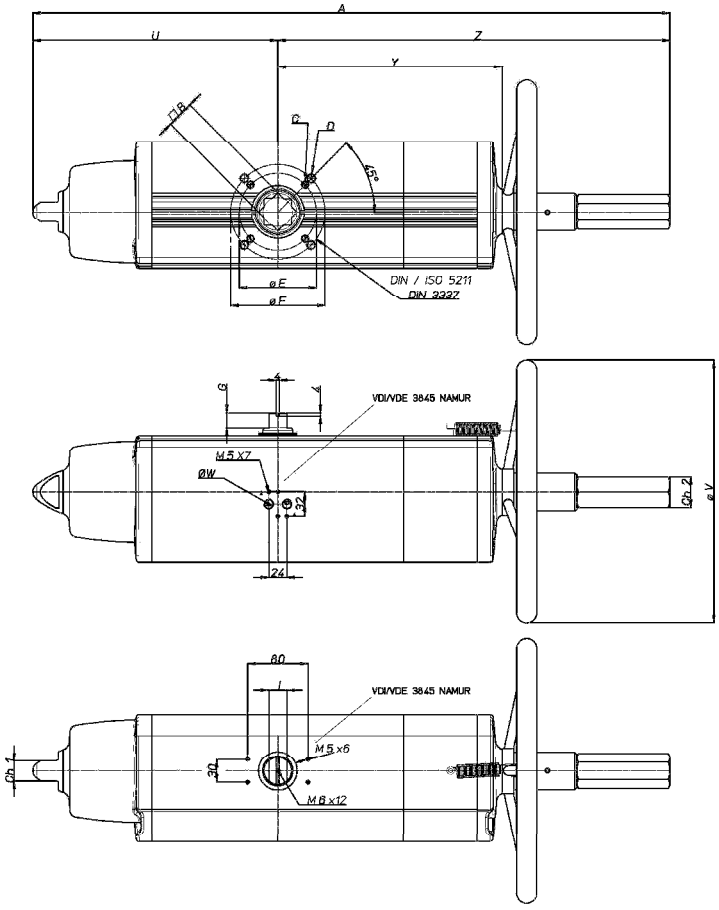
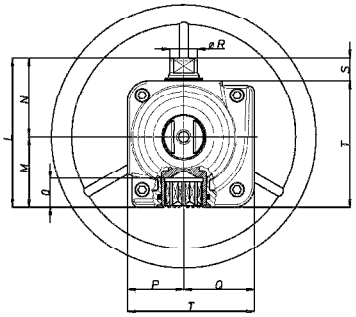
ACTUATECH
ACTUATOR TECHNOLOGY

# Actuator datasheet
# GSV60XF05F07

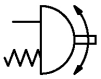
Modification reserved. Rev.date 10.2017.
No guarantee for accuracy.
Older data sheets are invalid

**COMPANY WITH MANAGEMENT SYSTEM CERTIFIED BY DNV GL**
**= ISO 9001 =**
**= ISO 14001 =**




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 | 457.7 |
| G | 13 |
| I | 12 |
| L | 107 |
| M | 46.8 |
| N | 60.2 |
| P | 40.2 |
| Q | 46.8 |
| R | 18 |
| S | 20 |
| T | 87 |
| U | 169.3 |
| V | 180 |
| Y | 163.9 |
| W | 1/8" GAS |
| Z | 288.4 |
| Ch 1 | 17 |
| Ch 2 | 28 |
| 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° | 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 | 1 bar | 92°<br>-1° +91° | Not available | 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 | Theoretical n° of turns to close/open starting | Rim pull force (N) to obtain the nominal | Maximum flange torque values |
|---|---|---|---|---|---|
| 5.3 | 63 | 0.33 | 14 | 33.8 | F05 = 125 Nm<br>F07 = 250 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).

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