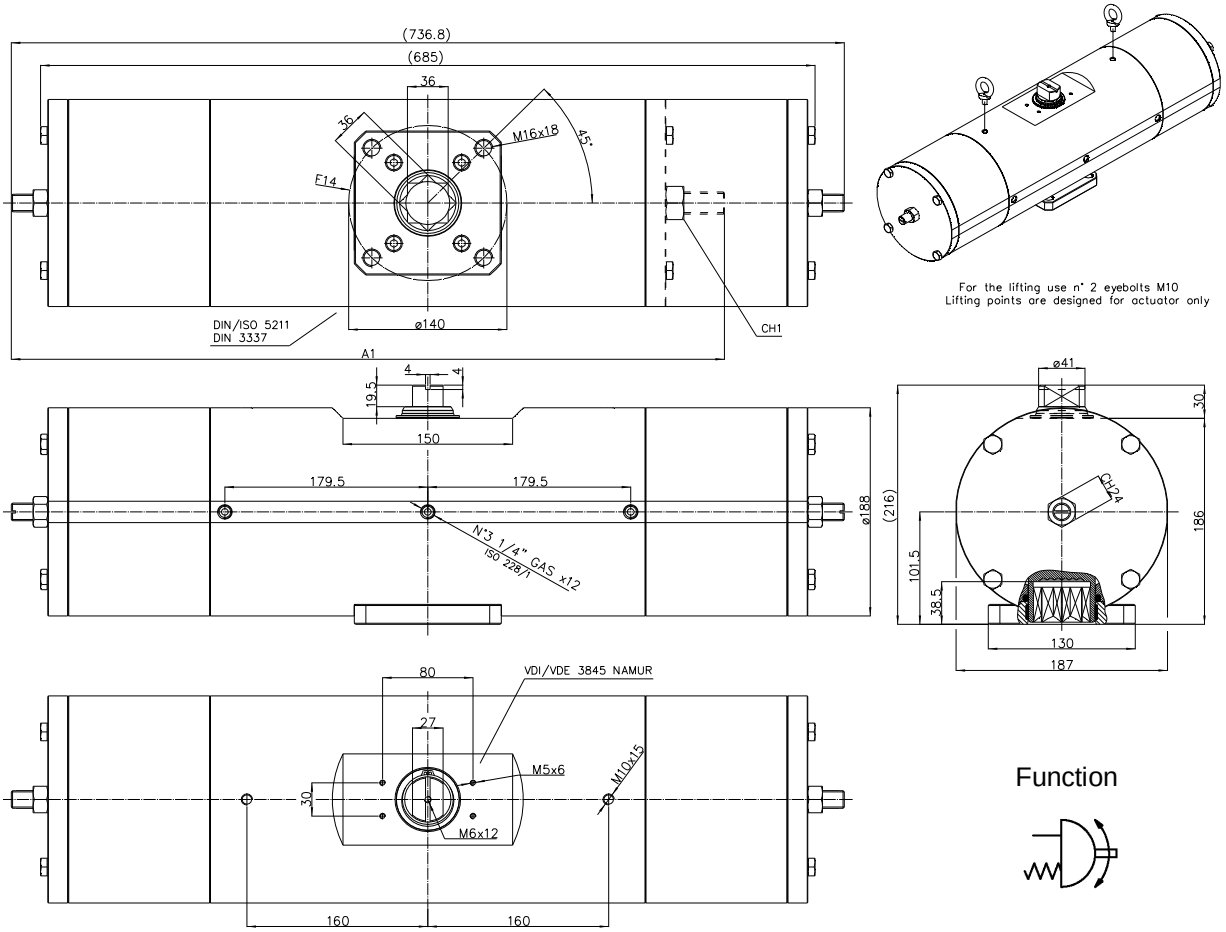
ACTUATECH
ACTUATOR TECHNOLOGY

Actuator datasheet

# GS720F14 INOX

Modification reserved. Rev.date 11.2025.
No guarantee for accuracy.
Older data sheets are invalid

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




## Function



## 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 | 240.0 | 180.0 | 360.0 | 274.3 | 128.6 | 154.3 | 360.0 | 180.0 | 240.0 | 402.9 | 205.7 | 282.9 | 510.0 | 270.0 | 390.0 | 660.0 | 360.0 | 540.0 | | | | | | | | | | | | | | |
| 3,5 | 300.0 | 225.0 | 450.0 | | | | | | | 342.9 | 160.7 | 192.9 | 450.0 | 225.0 | 300.0 | 600.0 | 315.0 | 450.0 | 771.4 | 417.9 | 621.4 | 900.0 | 495.0 | 750.0 | | | | | | | | |
| 4,2 | 360.0 | 270.0 | 540.0 | | | | | | | | | | 390.0 | 180.0 | 210.0 | 540.0 | 270.0 | 360.0 | 711.4 | 372.9 | 531.4 | 840.0 | 450.0 | 660.0 | 925.7 | 501.4 | 745.7 | 1140 | 630.0 | 960.0 | 1354 | 758.6 | 1174 |
| 5,6 | 480.0 | 360.0 | 720.0 | | | | | | | | | | | | | | | | 591.4 | 282.9 | 351.4 | 720.0 | 360.0 | 480.0 | 805.7 | 411.4 | 565.7 | 1020 | 540.0 | 780.0 | 1234 | 668.6 | 994.3 |

## 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 3/4 turn screw | 1.65 | 1.49 | 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 |
|---|---|---|---|
| 82.5 | 145 | 4.3 | F14 = 2000 Nm |

| Spring return Actuator with spring force 2.8 , is manufactured with only one spring cap and normal end cap (available only in standard version). | A1 | CH1 | Weight Kg |
|---|---|---|---|
| | 630.8 | 30 | 77 |

*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).

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