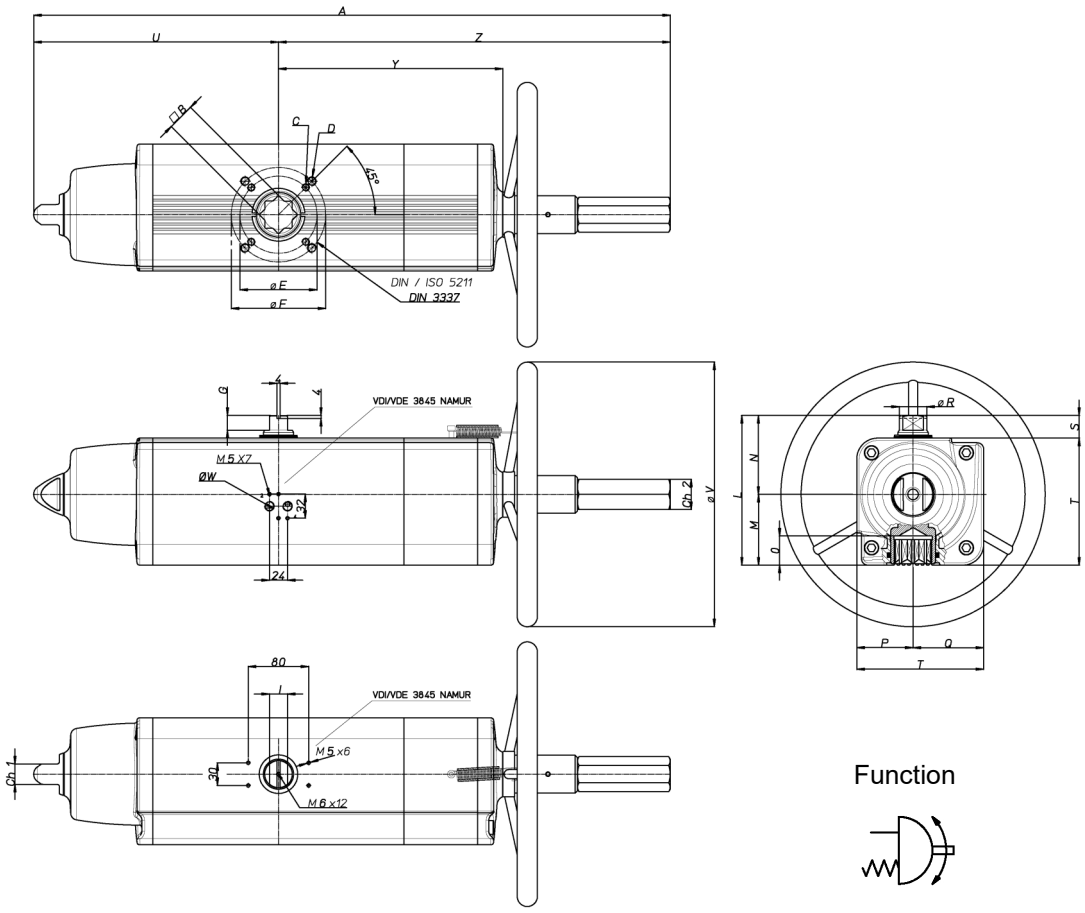
ACTUATECH
ACTUATOR TECHNOLOGY

Actuator datasheet

GSV120XF07F10

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	F07 – F10
C x depth	M8x12
D x depth	M10x15
E	70
F	102
B	22
O	24.8
A	559
G	17
I	15
L	141.1
M	60.1
N	81
P	51
Q	60.1
R	22.5
S	30
T	111.1
U	204.8
V	220
Y	199.1
W	1/8" GAS
Z	354.3
Ch 1	22
Ch 2	28
Ancillaries Attachment	AA2

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°	0°	50°	90°
2,8	40,0	30,0	60,0	45,7	21,4	25,7	60,0	30,0	40,0	67,1	34,3	47,1	85,0	45,0	65,0	110,0	60,0	90,0																	
3,5	50,0	37,5	75,0							57,1	26,8	32,1	75,0	37,5	50,0	100,0	52,5	75,0	128,6	69,6	103,6	150,0	82,5	125,0											
4,2	60,0	45,0	90,0										65,0	30,0	35,0	90,0	45,0	60,0	118,6	62,1	88,6	140,0	75,0	110,0	154,3	83,6	124,3	190,0	105,0	160,0	225,7	126,4	195,7
5,6	80,0	60,0	120,0																98,6	47,1	58,6	120,0	60,0	80,0	134,3	68,6	94,3	170,0	90,0	130,0	205,7	111,4	165,7

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	For 1° drive Need 1/2 turn screw	0.79	0.92	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
9	80	0.8	18	54.5	F07 = 250 Nm F10 = 500 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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