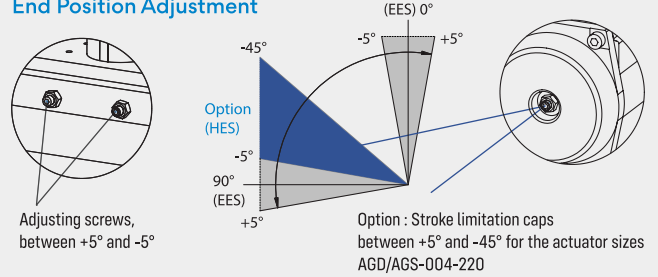


### End Position Adjustment



The pivoting angle can be adjusted in both end positions in pressure free conditions between +5° and -5°.

## DATA SHEET

# AGDL-AGDS / AGS-004

### Torque-Table Double-Acting Actuator (Nm)

Actuator Type	Control pressure Pst (bar)										
	2	2.5	3	3.5	4	4.5	5	5.5	6	7	8
AGDL - 004	8.5	10.6	12.8	14.9	17.0	19.1	21.3	23.4	25.5	29.8	34.0
AGDS - 004											

### Torque-Table Single-Acting Actuator (Nm)

Actuator Type	No. of Springs	Md F (Nm)		Pneumatic Applied Torque Md (Nm) at Minimum Control Pressure Pst (bar)																			
				2		2.5		3		3.5		4		4.5		5		5.5		6		7	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
AGS 004	4	3.29	5.00	4	5	6	7																
	5	4.11	6.25	2	4	4	7	7	9														
	6	4.94	7.50			3	6	5	8	7	10												
	7	5.76	8.75					4	7	6	9	8	11										
	8	6.58	10.00							5	8	7	10	9	13								
	9	7.40	11.25									6	10	8	12	10	14						
	10	8.23	12.50											7	11	9	13	11	15				
	11	9.05	13.75													8	12	10	14	12	16		
	12	9.87	15.00														8	14	11	16	15	20	

## Technical Data

### Control Pressure

Control pressure : 2 - 8 bar  
Control medium / quality : Filtered air minimum acc. to DIN/ISO 8573-1 Class 4

### Weight, Air Consumption

Actuator Type	AGDL	AGDS	AGS
Weight (kg)	1.1	1.0	1.3
Volume (l) Double-stroke	0.20	0.15	0.10

### Ambient Temperature

Standard	-35°C to +80°C
High-temp (HT)	-15°C to +140°C
Low-temp (TT)	-50°C to +70°C

### Switch Time (Sec\*)

AGDL	AGDS	AGS	
0.2	0.2	0 - 90°	90° - 0
		0.40	0.30

### Optional Extras

- Other Housing Coatings
- Pinion : Stainless Steel AISI 304 or 316
- 180° Actuator : Rotation 180° to 120° Adjustable
- 3 - Position Actuator : 0° - 90° - 180° / 0° - 45° - 90°

\*Quoted switch times are guidelines for a double-stroke at 5 bar control pressure and at 50% rated loading. With high valve actuating speeds, potentially dangerous large braking forces can arise in the actuator end positions. Tip : Throttle the exhaust air or select a larger actuator. Single Action actuators with 12 springs.

### Materials

Housing : Al-Alloy, Anodised, Outside PP-Coated  
Caps : Al-Alloy, PP-Coated  
Piston : Al-Alloy  
Pinion : Al-Alloy, Hard Anodized  
Nanur Shaft : SS304  
Seals : NBR (Perbunan)  
Bearing : PTFE+25% Carbon Filled  
Screws : Stainless Steel 1.4301

### Ordering Code

AGDL - 004 / 090 - V11 - H (see assembly variants)  
AGDS - 004 / 090 - V11 - H (see assembly variants)  
AGS - 004 / 090 - 06° - V11 - H (see assembly variants)

\*The number of springs (4 up to 12 pcs.) must be matched to the control pressure beforehand

AGDL = Double acting with spring end caps  
AGS = Single acting with spring  
Option : AGDS = Double acting with short end caps

