

Type AIR-GEAR

Alternative rotary actuator for high torques



- for all valves with high torques
- compact design

Range of application:

$14 < T < 194^{\circ}\text{F}$

others on request

Design characteristics

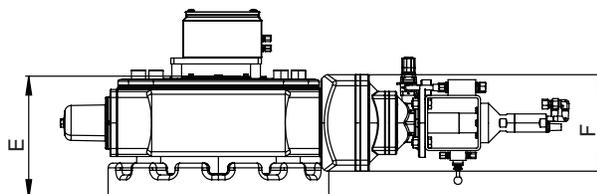
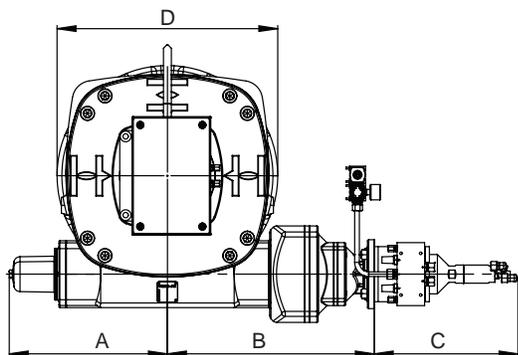
- double and single acting
- cost saving through standard components
- variable end positions $0^{\circ} - 360^{\circ}$
- adjustable opening and closing speed
- patented cardanic AZ coupling
- plug adjustment freely accessible
- multi position actuator

Options

- position feedback
- declutchable gear box
- locking devices
- flange extension
- control
- endposition damping
- ATEX design
- on-site operation

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Technical information



AIR-GEAR	torque Plug valve	air pressure	t/90°	M _{Actuator}	flange type*	weight						
						A	B	C	D	E	F	
	[Nm] [ft lb]	p [bar] p [psi]	[sec]	[Nm] [ft lb]		[mm] [Inch]	[mm] [Inch]	[mm] [Inch]	[mm] [Inch]	[mm] [Inch]	[mm] [Inch]	[kg] [lb]
8000-66	≤ 8,000 ≤ 70,800	3.5	72	6293	F-16 / F-25	194 7.64	264 10.40	510 20.08	300 11.81	158 6.22	175 6.89	51 112
		50		4,641								
		4.5 (norm)	54	8096								
		65 (norm)		5,971								
		5.0	42	9944								
		73		7,334								
		6.0	36	11,704								
87		8,632										
15000-66	≤ 15,000 ≤ 15,000	3.5	72	10868	F-25 / F-30	290 11.42	340 13.39	510 20.08	330 12.99	170 6.69	160 6.30	96 212
		50		8,016								
		4.5 (norm)	54	14000								
		65 (norm)		10,326								
		5.0	42	17176								
		73		12,668								
		6.0	36	20216								
87		14,911										
30000-66	≤ 30,000	3.5	236	21736	F-25 / F-30	367 14,45	470 18.50	510 20.08	415 16.34	211 8.31	210 8.27	165 364
		50		16,024								
		4.5 (norm)	180	27963								
		65 (norm)		20,425								
		5.0	151	34352								
		73		25,337								
		6.0	124	40432								
87		29,831										
		7.0	117	43624								
		102		32,175								

*) valve flang acc. to ISO 5211
Higher torques on request