



Technical Data

Construction : pneumatic double-piston quarter turn actuator
 Features : Rack-and-pinion system, piston guide via guide rods
 Angle of rotation : 90°
 Pressure range : min. 2 bar, max. 10 bar
 Operating medium : Dry and filtered compressed air or any non-aggressive gaseous medium and hydraulic oil (on request)

Ambient temperature : -20°C up to +80°C
 Mounting position : Any
 Resistance to corrosion : Atmospheric industrial
 Lubrication : permanent lubrication with lubricating grease DIN 51825-K2K-30
 Seals : Perbunan-o-rings, 70 Shore
 Coating : Housing/End cap: GLISS-COAT
 Weight [kg] : SAD 33 13,5
 SAF 33 * 18,5

Stroke volume [dm³] : SAD 33 5,2
 SAF 33 2,9

Operating time [sec] ¹⁾ : SAD 33 Open 0,8
 SAD 33 Shut 0,8
 SAF 33 * Open 1,0
 SAF 33 * Shut 0,5

Maintenance and Inspection : AMG actuators are maintenance-free
 Provided that :
 • the actuator is properly mounted
 • the operating medium used is clean and non-aggressive
 • the actuator is operated under normal ambient conditions

1) Operating times at 4,5 bar operating pressure and without load (standard values)
 * Type SAF with 9 springs

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Type	Torque M_A (Nm) at operating pressure p_e												
	2 bar	2,5 bar	3 bar	3,5 bar	4 bar	4,5 bar	5 bar	5,5 bar	6 bar	6,5 bar	7 bar	7,5 bar	8 bar
SAD 33	165	214	263	312	360	409	458	507	555	604	652	701	750

Type SAF	2 bar		2,5 bar		3 bar		3,5 bar		4 bar		4,5 bar		5 bar		5,5 bar		6 bar		7 bar	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
33	66	109	82	137	98	164	115	191	131	219	148	246	164	273	180	301	197	328	230	383

At the required operating pressure p_e and our recommended number of springs for this pressure, then the air torque and spring torques are identical.