

Kinetrol Model 07 Spring Return Single Acting Actuator

Specification

Angle of Travel (adjustable)

80° - 100°

(restricted travel versions available)

Displaced Volume

300 cm³ / 18.3 in³

Materials of Construction

Casing: Pressure die cast aluminium alloy

Vane & Output Shaft: SG iron, zinc plated

Shaft bushes: PTFE coated bronze (lead free)

Seals: Moulded polyurethane

Seal expanders: Stainless spring steel

Clock Type Spring: Carbon spring steel

Finish

Epoxy stove enamel

Weight

4.54 kg / 10.01 lb (excluding coupling)

Operating Temperature

-40°C to +80°C (-40°F to +176°F)



ATEX Category 2

Spring Torques

Metric Units - Nm

Actuator Model	Position of air OR spring return stroke	Pressure (bar)											
		1.7	2.0	2.4	2.8	3.1	3.5	3.8	4.1	4.5	4.8	5.2	5.5
07-120	Start						30.5	33.9	37.3	40.7	43.5	46.9	50.8
	Finish						19.8	23.7	27.1	30.5	34.4	38.4	42.4

English Units - lbf ins

Actuator Model	Position of air OR spring return stroke	Pressure (psi)											
		25	30	35	40	45	50	55	60	65	70	75	80
07-120	Start						270	300	330	360	385	415	450
	Finish						175	210	240	270	305	340	375

Options

- ISO Flange / Female drive spring option
- Low pressure spring option
- Limit switch boxes for open/closed indication - various switches including hazardous area
- Integral solenoid valve
- AP pneumatic positioner - full range of options
- EL electropneumatic positioner - full range of options
- P3 on/off positioner - full range of options including hazardous area
- Clear Cone monitor
- 180° and 120° model
- ISO adaptor
- Spring to centre
- Geared manual override
- High temperature / Low temperature options
- VDI/VDE 3845 Namur accessory mounting option available - contact Kinetrol
- Available in Blueline paint finish

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Product Code

Air Ports

Mount Holes

074-120 Metric Spring Return Clockwise	G $\frac{1}{4}$	4 x M8 x 16 deep on 50.9 PCD
074-130 Metric Spring Return Counter Clockwise	G $\frac{1}{4}$	4 x M8 x 16 deep on 50.9 PCD
077-120 English Spring Return Clockwise	$\frac{1}{4}$ NPT	4 x $\frac{5}{16}$ -18 UNC x 0.63" deep on 2.00" PCD
077-130 English Spring Return Counter Clockwise	$\frac{1}{4}$ NPT	4 x $\frac{5}{16}$ -18 UNC x 0.63" deep on 2.00" PCD

For female drive part codes contact Kinetrol

Visual red indicator supplied as standard

Dimensions

