

Kinetrol Model 10 Spring Return Single Acting Actuator

Specification

Angle of Travel (adjustable)

78° - 100°

(restricted travel versions available)

Displaced Volume

1025 cm³ / 62.5 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

14.80 kg / 32.63 lb (no 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
10-120	Start						107.0	115.5	124.0	136.0	145.0	155.9	164.0
	Finish						78.0	90.0	102.0	114.6	124.0	134.9	143.0

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
10-120	Start						950	1025	1100	1190	1280	1365	1450
	Finish						690	795	900	1000	1100	1185	1270

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
- 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

103F120 Metric Spring Return Clockwise	G $\frac{1}{4}$	4 x M10 x 16 deep on 102.0 PCD
103F130 Metric Spring Return Counter Clockwise	G $\frac{1}{4}$	4 x M10 x 16 deep on 102.0 PCD
107F120 English Spring Return Clockwise	$\frac{1}{4}$ NPT	4 x $\frac{3}{8}$ -16 UNC x 0.63" deep on 4.02" PCD
107F130 English Spring Return Counter Clockwise	$\frac{1}{4}$ NPT	4 x $\frac{3}{8}$ -16 UNC x 0.63" deep on 4.02" PCD

For female drive part codes contact Kinetrol

Visual red indicator supplied as standard

Dimensions

