

Kinetrol Model 12 Spring Return Single Acting Actuator

Specification

Angle of Travel (adjustable)

80° - 102°

(restricted travel versions available)

Displaced Volume

1410 cm³ / 86 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

22.90 kg / 50.51 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
12-120	Start						145.0	160.0	176.0	191.0	206.0	221.0	238.0
	Finish						111.0	127.0	142.0	158.0	174.0	189.0	204.0

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
12-120	Start						1280	1415	1555	1690	1825	1960	2110
	Finish						985	1125	1260	1400	1540	1670	1810

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
- G3 Damper Drive

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Product Code

● Air Ports

● Mount Holes

124-120 Metric Spring Return Clockwise	G $\frac{3}{8}$	4 x M12 x 24 deep on 77.8 PCD
124-130 Metric Spring Return Counter Clockwise	G $\frac{3}{8}$	4 x M12 x 24 deep on 77.8 PCD
127-120 English Spring Return Clockwise	$\frac{3}{8}$ NPT	4 x $\frac{1}{2}$ -13 UNC x 0.94" deep on 3.06" PCD
127-130 English Spring Return Counter Clockwise	$\frac{3}{8}$ NPT	4 x $\frac{1}{2}$ -13 UNC x 0.94" deep on 3.06" PCD

For female drive part codes contact Kinetrol

Visual red indicator supplied as standard

Dimensions

