

Kinetrol Model 02 Spring Return Single Acting Actuator

Specification

Angle of Travel (adjustable)

80° - 100°

(restricted travel versions available)

Displaced Volume

31 cm³ / 1.89 in³

Materials of Construction

Casing: Pressure die cast ZL16 zinc alloy

Vane & Output Shaft: Stainless steel

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

0.91 kg / 2.00 lb (excluding coupling)

Operating Temperature

-40°C to +80°C (-40°F to +176°F)



ATEX Up to Category 1

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
02-120	Start						3.0	3.4	3.6	3.8	4.2	4.4	4.7
	Finish						1.4	1.7	2.0	2.4	2.8	3.3	3.7

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
02-120	Start						27	30	32	34	37	39	42
	Finish						12	15	18	21	25	29	33

Factory assembled actuator/spring return assemblies have the spring pretension set for "balanced" torque output when the actuator is operated by air at 5.5 bar (80 psi). Factory assemblies can be preset for different air pressures below 5.5 bar (80 psi) on request.

Options

- 180° and 120° model
- ISO adaptor
- Available in Blueline paint finish

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Product Code

● Air Ports

● Mount Holes

024-120 Metric Spring Return Clockwise	G $\frac{1}{8}$	4 x M4 x 8 deep on 25.5 PCD
024-130 Metric Spring Return Counter Clockwise	G $\frac{1}{8}$	4 x M4 x 8 deep on 25.5 PCD
027-120 English Spring Return Clockwise	$\frac{1}{8}$ NPT	4 x 8-32 UNC x 0.31" deep on 1.00" PCD
027-130 English Spring Return Counter Clockwise	$\frac{1}{8}$ NPT	4 x 8-32 UNC x 0.31" deep on 1.00" PCD

For female drive part codes contact Kinetrol

Visual red indicator supplied as standard

Dimensions

