

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

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

