

Kinetrol Model 01 Spring Return Single Acting Actuator

Specification

Angle of Travel (adjustable)

014-120: 80° - 100°

014P120: 90°

(restricted travel versions available)

Displaced Volume

16.5 cm³ / 1.0 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

014-120: 0.58 kg / 1.28 lb (excluding coupling)

014P120: 0.59 kg / 1.30 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	
01-120	Start						1.5		1.7			1.9		2.3
	Finish						0.9		1.1			1.5		1.8

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	
01-120	Start						13		15			17		20
	Finish						8		10			13		16

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Product Code

Air Ports

Mount Holes

014-120 Metric Spring Return Clockwise	G $\frac{1}{8}$	4 x M4 x 6 deep on 19.0 PCD
014-130 Metric Spring Return Counter Clockwise	G $\frac{1}{8}$	4 x M4 x 6 deep on 19.0 PCD
017-120 English Spring Return Clockwise	$\frac{1}{8}$ NPT	4 x 8-32 UNC x 0.25" deep on 0.75" PCD
017-130 English Spring Return Counter Clockwise	$\frac{1}{8}$ NPT	4 x 8-32 UNC x 0.25" deep on 0.75" PCD
014P120 Metric Spring Return Clockwise	G $\frac{1}{8}$	4 x $\text{\O}4.1$ (M4 clearance)
014P130 Metric Spring Return Counter Clockwise	G $\frac{1}{8}$	4 x $\text{\O}4.1$ (M4 clearance)

For female drive part codes contact Kinetrol

Dimensions

Drawing shows 014-120 / 014-130 version only.
For 014P120 / 014P130 please contact Kinetrol

