

Kinetrol Model 16 Spring Return Single Acting Actuator

Specification

Angle of Travel (adjustable)

80° - 100°

(restricted travel versions available)

Displaced Volume

7630 cm³ / 465 in³

Materials of Construction

Casing: Sand 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

137.6 kg / 302.7 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
16-120	Start						864.0	939.0	1004.0	1097.0	1165.0	1256.0	1321.0
	Finish						576.0	660.0	742.0	832.0	906.0	1002.0	1081.0

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
16-120	Start						7646	8310	8885	9708	10310	11116	11691
	Finish						5098	5841	6567	7363	8018	8868	9567

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

164-120 Metric Spring Return Clockwise	G½	4 x M24 x 38 deep on 152.7 PCD
164-130 Metric Spring Return Counter Clockwise	G½	4 x M24 x 38 deep on 152.7 PCD
167-120 English Spring Return Clockwise	½ NPT	4 x ¾-9 UNC x 1.50" deep on 6.01" PCD
167-130 English Spring Return Counter Clockwise	½ NPT	4 x ¾-9 UNC x 1.50" deep on 6.01" PCD

For female drive part codes contact Kinetrol

Visual red indicator supplied as standard

Dimensions

