

# Kinetrol Model 14 Spring Return Single Acting Actuator

## Specification

### Angle of Travel (adjustable)

80° - 100°

(restricted travel versions available)

### Displaced Volume

3294 cm<sup>3</sup> / 201 in<sup>3</sup>

### 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

63.4 kg / 139.82 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
14-120	Start						374.0	408.0	442.0	479.0	517.0	554.0	588.0
	Finish						249.0	290.0	330.0	367.0	406.0	443.0	478.0

### 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
14-120	Start						3310	3610	3915	4240	4580	4900	5200
	Finish						2205	2570	2920	3250	3595	3920	4230

## 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

# Kinetrol Model 14 Spring Return Single Acting Actuator

## Product Code

## ● Air Ports

## ● Mount Holes

144-120 Metric Spring Return Clockwise	G½	4 x M16 x 28.5 deep on 98.8 PCD 4 x M16 x 28.5 deep on 140.0 PCD
144-130 Metric Spring Return Counter Clockwise	G½	4 x M16 x 28.5 deep on 98.8 PCD 4 x M16 x 28.5 deep on 140.0 PCD
147-120 English Spring Return Clockwise	½ NPT	4 x 5⁄8-11 UNC x 1.12" deep on 3.89" PCD 4 x 5⁄8-11 UNC x 1.12" deep on 5.51" PCD
147-130 English Spring Return Counter Clockwise	½ NPT	4 x 5⁄8-11 UNC x 1.12" deep on 3.89" PCD 4 x 5⁄8-11 UNC x 1.12" deep on 5.51" PCD

For female drive part codes contact Kinetrol

Visual red indicator supplied as standard

## Dimensions

