

Kinetrol Model 14 Double Acting Actuator

Specification

Angle of Travel (adjustable)

80° - 100°

(restricted travel versions available)

Displaced Volume

3294 cm³ / 201 in³

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

Finish

Epoxy stove enamel

Weight

12.7 kg / 28 lb (excluding coupling)

Operating Temperature

-40°C to +80°C (-40°F to +176°F)



ATEX Category 2

Double Acting Torques

Metric Units - Nm

Actuator Model	Pressure (bar)											
	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0
14-100	265	360	460	560	660	760	870	975	1080	1180	1280	1375

English Units - lbf ins

Actuator Model	Pressure (psi)									
	20	30	40	50	60	70	80	90	100	
14-100	2150	3350	4550	5800	7000	8300	9600	10800	12000	

Options

- Fail safe spring return units
 - clockwise or counter clockwise
- 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
- Female drive and mounting details to DIN 3337 and ISO 5211
- G3/4" or 3/4" Npt air port option available
 - Double air port option available - contact Kinetrol
- Spring to centre
- Geared manual override
- G3 Damper Drive
- Accessory mount plate for positioners, switch boxes and clear cone monitor. See TD149.
- High temperature / Low temperature options
- VDI/VDE 3845 Namur accessory mounting option available - contact Kinetrol
- Available in Blueline paint finish
- Steadyline assembly

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Product Code

Air Ports

Mount Holes

144-100

G $\frac{1}{2}$

4 x M16 x 28.5 deep on 98.8 PCD
4 x M5 x 10 deep

147-100

$\frac{1}{2}$ NPT

4 x $\frac{5}{8}$ -11 UNC x 1.12" deep on 3.89" PCD
4 x 10-24 UNC x $\frac{3}{8}$ " deep

Visual red indicator supplied as standard

Dimensions

