

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 thermoset powder

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

Kinetrol Model 14 Double Acting Actuator

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

