

Kinetrol Model 12 Double Acting Actuator

Specification

Angle of Travel (adjustable)

80° - 102°

(restricted travel versions available)

Displaced Volume

1410 cm³ / 86 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

6.7 kg / 14.8 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
12-100	103	147	190	232	275	319	360	403	446	490	532	575

English Units - lbf ins

Actuator Model	Pressure (psi)								
	20	30	40	50	60	70	80	90	100
12-100	830	1350	1870	2400	2900	3440	3970	4480	5000

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
- ☐ 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

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Product Code

124-100

127-100

● Air Ports

G $\frac{3}{8}$

$\frac{3}{8}$ NPT

● Mount Holes

4 x M12 x 24 deep on 77.8 PCD
4 x M5 x 10 deep

4 x $\frac{1}{2}$ -13 UNC x 0.94" deep on 3.06" PCD
4 x 10-24 UNC x $\frac{3}{8}$ " deep

Visual red indicator supplied as standard

Dimensions

