

Kinetrol Model 05 Double Acting Actuator

Specification

Angle of Travel (adjustable)

74° - 100°

(restricted travel versions available)

Displaced Volume

113 cm³ / 6.9 in³

Materials of Construction

Casing: Pressure die cast aluminium alloy

Vane & Output Shaft: Stainless steel

Shaft bushes: PTFE coated bronze (lead free)

Seals: Moulded polyurethane

Seal expanders: Stainless spring steel

Finish

Epoxy thermoset powder

Weight

0.78 kg / 1.72 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
05-100	9.0	12.5	16.5	20.0	24.0	27.5	31.5	35.0	39.0	43.0	46.5	50.5

English Units - lbf ins

	Pressure (psi)								
Actuator Model	20	30	40	50	60	70	80	90	100
05-100	70	116	160	205	250	300	346	393	440

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
- ☐ ISO adaptor
- ☐ G¹/₄ or ¹/₂ NPT air port option available - contact Kinetrol
- ☐ 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

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Product Code

054-100

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Air Ports

G $\frac{1}{8}$

$\frac{1}{8}$ NPT

Mount Holes

6 x M5 x 10 deep on 34.9 PCD

2 x M8 x 9 deep on 50.8 CTRS

6 x 10-24 UNC x 0.39" deep on 1.375" PCD

2 x $\frac{5}{16}$ -18 UNC x 0.35" deep on 2" CTRS

Visual red indicator supplied as standard

Dimensions

