

Kinetrol Model 03 Double Acting Actuator

Specification

Angle of Travel (adjustable)

80° - 100°

(restricted travel versions available)

Displaced Volume

60 cm³ / 3.66 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

0.43 kg / 0.95 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 |
| 03-100 | 3.9 | 5.8 | 7.6 | 9.6 | 11.5 | 13.4 | 15.4 | 17.4 | 19.3 | 21.3 | 23.2 | 25.3 |

English Units - lbf ins

| | Pressure (psi) | | | | | | | | |
|----------------|----------------|----|----|-----|-----|-----|-----|-----|-----|
| Actuator Model | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| 03-100 | 29 | 53 | 77 | 101 | 124 | 148 | 173 | 196 | 220 |

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
- ☐ Clear Cone position monitor
- ☐ 180° and 120° model
- ☐ Female drive and mounting details to DIN 3337 and ISO 5211
- ☐ ISO adaptor
- ☐ 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

034-100

Air Ports

G $\frac{1}{8}$

Mount Holes

4 x M5 x 10 deep on 31.1 PCD

037-100

$\frac{1}{8}$ NPT

4 x 10-24 UNC x 0.39" deep on 1.225" PCD

Visual red indicator supplied as standard

Dimensions

