

# Kinetrol Model 08 Double Acting Actuator

## Specification

### Angle of Travel (adjustable)

80° - 100°

(restricted travel versions available)

### Displaced Volume

485 cm<sup>3</sup> / 29.6 in<sup>3</sup>

### 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

2.54 kg / 5.60 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   |
| 08-100         | 38.7           | 53.2 | 67.7 | 82.3 | 96.8 | 111.4 | 125.9 | 140.5 | 155.0 | 169.0 | 184.1 | 198.7 |

### English Units - lbf ins

| Actuator Model | Pressure (psi) |     |     |     |      |      |      |      |      |  |
|----------------|----------------|-----|-----|-----|------|------|------|------|------|--|
|                | 20             | 30  | 40  | 50  | 60   | 70   | 80   | 90   | 100  |  |
| 08-100         | 311            | 488 | 666 | 826 | 1012 | 1208 | 1367 | 1563 | 1740 |  |

## 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
- Female drive and mounting details to DIN 3337 and ISO 5211
- ISO adaptor
- G<sup>3</sup>/<sub>8</sub> or <sup>1</sup>/<sub>2</sub> NPT air port option available - contact Kinetrol
- Geared manual override
- High temperature / Low temperature options
- VDI/VDE 3845 Namur accessory mounting option available - contact Kinetrol
- Available in Blueline paint finish

# Kinetrol Model 08 Double Acting Actuator

## Product Code

## ● Air Ports

## ● Mount Holes

084-100

G $\frac{1}{4}$

4 x M8 x 16 deep on 70.0 PCD

2 x M8 x 16 deep on 50.8 PCD

087-100

$\frac{1}{4}$  NPT

4 x  $\frac{5}{16}$ -18 UNC x 0.63" deep on 2.76" PCD

2 x  $\frac{5}{16}$ -18 UNC x 0.63" deep on 2.00" PCD

Visual red indicator supplied as standard

## Dimensions

