

# Kinetrol Model 18 Double Acting Actuator

## Specification

### Angle of Travel (adjustable)

80° - 100°

(restricted travel versions available)

### Displaced Volume

17170 cm<sup>3</sup> / 1047 in<sup>3</sup>

### Materials of Construction

**Casing:** Sand 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

88.0 kg / 194 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  |
| 18-100         | 1250           | 1750 | 2250 | 2750 | 3250 | 3750 | 4300 | 4850 | 5400 | 5950 | 6400 | 6900 |

### English Units - lbf ins

| Actuator Model | Pressure (psi) |       |       |       |       |       |       |       |       |  |
|----------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
|                | 20             | 30    | 40    | 50    | 60    | 70    | 80    | 90    | 100   |  |
| 18-100         | 10000          | 16100 | 22200 | 28300 | 34500 | 41300 | 48000 | 54500 | 60000 |  |

## Options

- Fail safe spring return units  
- clockwise or counter clockwise
- Limit switch boxes for open/closed indication  
- various switches including hazardous area
- AP pneumatic positioner - full range of options
- EL electropneumatic positioner - full range of options
- Female drive and mounting details to  
DIN 3337 and ISO 5211
- Spring to centre
- Geared manual override
- G3 Damper Drive
- High temperature / Low temperature options
- Steadyline assembly

# Kinetrol Model 18 Double Acting Actuator

## Product Code

## Air Ports

## Mount Holes

184-100

G1

4 x M30 x 50 deep on 226.3 PCD  
4 x M5 x 8 deep

187-100

1 NPT

4 x 1 $\frac{1}{8}$ -7 UNC x 2.00" deep on 8.91" PCD  
4 x 10-24 UNC x 0.31" deep

## Dimensions

