

Kinetrol Model 60 Spring Return Single Acting Actuator

Specification

Angle of Travel (adjustable)

80° - 100°

(restricted travel versions available)

Displaced Volume

103064 cm³ / 6284 in³

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

Clock Type Spring: Carbon spring steel

Finish

Epoxy stove enamel

Weight

1398.0 kg / 3082.5 lb (excluding coupling)

Operating Temperature

-40°C to +80°C (-40°F to +176°F)



ATEX Category 2

Spring Torques

Metric Units - Nm

| Actuator Model | Position of air OR spring return stroke | Pressure (bar) | | | | | | | | | | | |
|----------------|-----------------------------------------|----------------|-----|-----|-----|-----|-----|-----|-----|---------|---------|---------|---------|
| | | 1.7 | 2.0 | 2.4 | 2.8 | 3.1 | 3.5 | 3.8 | 4.1 | 4.5 | 4.8 | 5.2 | 5.5 |
| 60-120 | Start | | | | | | | | | 14001.0 | 15145.0 | 16313.0 | 17437.0 |
| | Finish | | | | | | | | | 11689.0 | 12644.0 | 13619.0 | 14558.0 |

English Units - lbf ins

| Actuator Model | Position of air OR spring return stroke | Pressure (psi) | | | | | | | | | | | |
|----------------|-----------------------------------------|----------------|----|----|----|----|----|----|----|--------|--------|--------|--------|
| | | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 |
| 60-120 | Start | | | | | | | | | 123872 | 134045 | 144379 | 154333 |
| | Finish | | | | | | | | | 103416 | 111909 | 120537 | 128847 |

Options

- Low pressure spring option
- 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
- P3 on/off positioner - full range of options including hazardous area

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Product Code

Air Ports

Mount Holes

| | | |
|----------------------------------------------------|-------|-----------------------------------------|
| 600-120 Metric Spring Return Clockwise | G2 | 8 x M30 x 80 deep on 356 PCD |
| 600-130 Metric Spring Return Counter Clockwise | G2 | 8 x M30 x 80 deep on 356 PCD |
| 609-120 English Spring Return Clockwise | 2 NPT | 8 x 1½-7 UNC x 3.15" deep on 14.02" PCD |
| 609-130 English Spring Return Counter Clockwise | 2 NPT | 8 x 1½-7 UNC x 3.15" deep on 14.02" PCD |

For female drive part codes contact Kinetrol

Dimensions

