

Actuator General Specification

Casing: Models 0M0, 01, 02, 03, 05 & 07 Pressure die cast ZL16 zinc alloy.
Models 08, 09, 10, 12, 14, 16, 18, 20 & 30 Aluminium LM24 or LM25.

Vane & output shaft: Models 0M0, 01, 02, 03 and 05 stainless steel. Models 07 to 30 SG iron, zinc plated.

Shaft bushes: PTFE coated bronze.

Seals: Moulded polyurethane. High and low temperature seals also available contact Kinetrol.

Seal expanders: Stainless spring steel.

Couplings: Weldable mild steel, zinc plated.

Working temperature range: -20°C (-5°F) to 80°C (175°F).

High temperature option up to 100°C (212°F) using temperature seals and higher temperatures with special equipment - contact Kinetrol for details.

Low temperature option down to -40°C (-40°F) include option "L" at end of actuator coding.

Maximum recommended working pressure: 100 psi (7 bar)

Maximum overload pressure: 150 psi (10 bar)



Spring Fail-Safe Electric Actuators

Kinetrol's double acting and spring return electrohydraulic actuators are designed for use in locations without a compressed air supply. A hydraulic pump delivers pressurised oil to a Kinetrol quarter-turn actuator, providing a double acting torque output up to 1220 Nm/10800 lbf in.

In the case of single acting units, a Kinetrol spring return and fail-open solenoid valve produce a positive fail-safe action.

A 100% rated pump motor and pressure release valve provide stall protection.

This, together with the units capacity for up to 3000 starts per hour, make it ideal for both high cycle double acting or modulating applications.

Various AC and DC voltage builds are available and options include auxiliary limit switches and/or a 4-20 mA transducer for position feedback.

See leaflet KF-503 for further information.

Rotary Dampers



Kinetrol's range of fluid dashpots are used to steady drives, decelerate motion and damp vibration. Standard designs include fixed and adjustable rate devices for limited angle or continuous rotation damping in one or both directions of travel.

Applications for these robust, industrial dampers include the precise control of:

- tension on wire/paper/film/textile handling equipment
- the rate of descent of curtains, shutters etc.
- oscillations of pendulums, gimbals etc.
- jerk on camera & simulator systems
- vibration on transfer machinery.

See catalogue KF-72 for more information. If required, Kinetrol can engineer special designs to meet customers specifications.