



■ **Single moving part**

Simplest and most reliable mechanism for quarter-turn rotary actuation.

■ **Close couple control modules**

Fail-safe spring returns, limit switches, positioners and solenoid valves all close couple to the actuators.

■ **No cranks or gearing**

No power loss or backlash - allows accurate positioning.

■ **Durable corrosion resistant finish**

■ **Long maintenance-free life**

Up to 4 million operations guaranteed.

■ **Compact - space saving - efficient**

Best torque/size package available, fast operating speeds, best air consumption, proven design.

■ **Millions of units in trouble free service all over the world**

■ **Choice of male or female output drive square - easy to interface to application**

■ **Unique serial number for identification and traceability**

Applications

Operation or positioning of ball, butterfly and plug valves, ventilation dampers and automatic doors. Uses also include movement and positioning of components during manufacture - in fact anything that needs to be turned through 90° or less, automatically or by remote control.

For ordering codes see page 62



Certificate No. FM22163

Kinetrol's rigorous quality program is approved to ISO 9001:2008 ensuring that each unit is manufactured to the highest standards.

The policy of KINETROL is one of continuous improvement. We reserve the right to alter the product as described and illustrated without notice.



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.

