

APPLICATIONS

Operation or positioning of ball, butterfly, plug and control 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.

LONG MAINTENANCE-FREE LIFE
Up to 4 million operations guaranteed

PROVEN IN SERVICE
Millions of units operating trouble-free worldwide

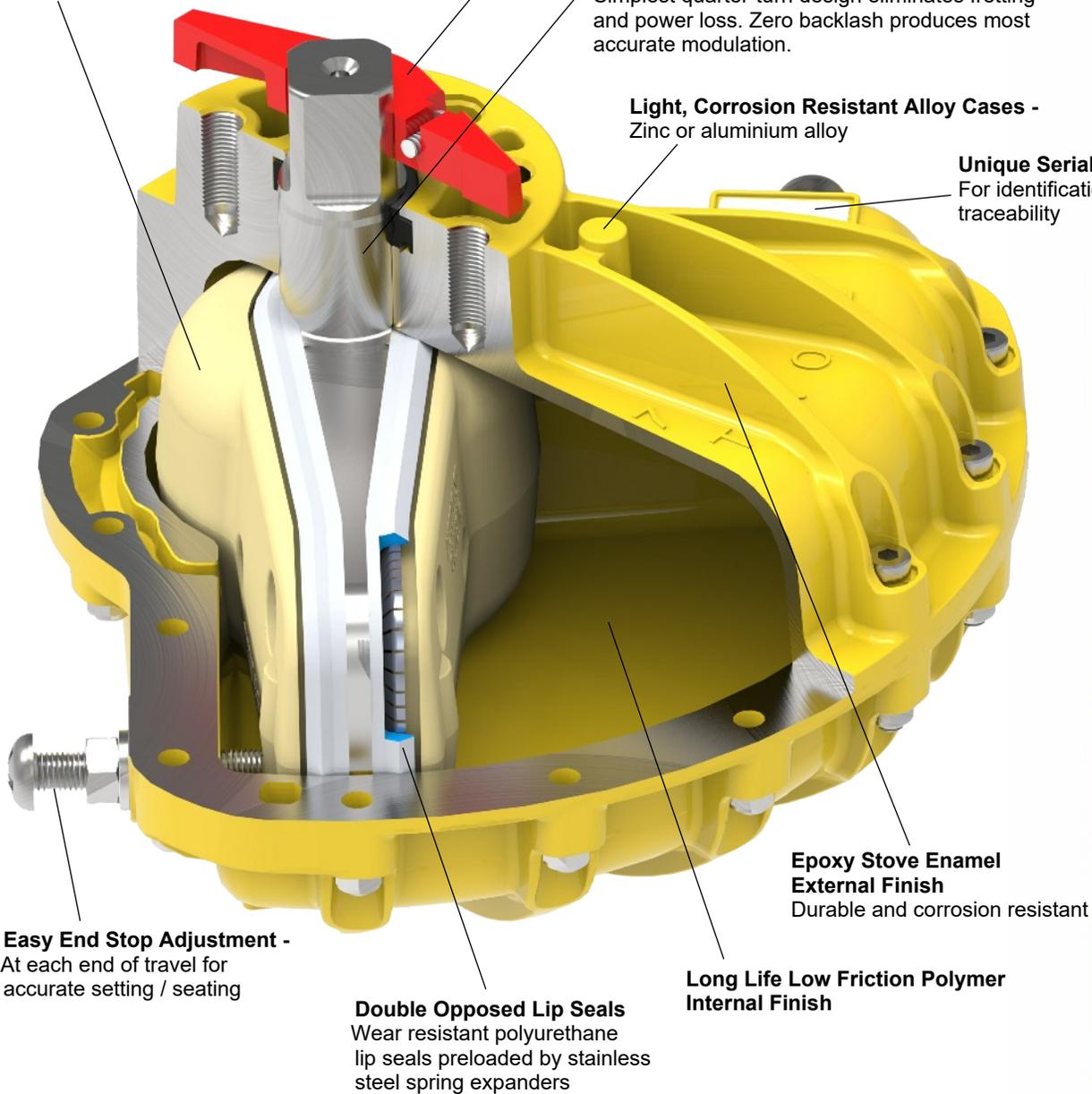
Patented Energy Absorbent, Space Filling Sideplates
Minimise dimensions and air consumption thereby maximising efficiency and operating speeds

Visual Position Indication

Integral Shaft / Vane Casting
Single moving part with no cranks or gearing. Simplest quarter-turn design eliminates fretting and power loss. Zero backlash produces most accurate modulation.

Light, Corrosion Resistant Alloy Cases -
Zinc or aluminium alloy

Unique Serial Number -
For identification and traceability



Easy End Stop Adjustment -
At each end of travel for accurate setting / seating

Double Opposed Lip Seals
Wear resistant polyurethane lip seals preloaded by stainless steel spring expanders

Epoxy Stove Enamel External Finish
Durable and corrosion resistant

Long Life Low Friction Polymer Internal Finish

CHOICE OF MALE OR FEMALE OUTPUT DRIVE SQUARES
Easy and versatile interface to applications

CLOSE COUPLED CONTROL MODULES
Fail-safe spring returns, limit switch boxes, solenoid valves and positioners all close coupled to actuators (see page 4)

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.

