

High Performance Pneumatic Actuators.

K-TORK high-performance, rotary vane actuators are designed for long life and precise control of 1/4-turn valves. With only one moving part, the simplistic design provides years of service in demanding, high cycle, fast operation and critical modulating applications.



Actuator Features

- **No cranks or gearing** – NO BACKLASH or “slop” results in smooth and accurate positioning of the valve.
- **Long Maintenance-Free Life** – 2 million strokes GUARANTEED / 3-YEAR Performance Warranty.
- **Compact Design** – High torque-to-size ratio fits into tight spaces.
- **NAMUR Accessory Mounting** – Standardized solenoid valve, limit switch and positioner mounting interface meets International VDI / VDE 3845 provisions.
- **Totally Enclosed** – No dangerous external moving parts or pinch points.
- **Low Friction** – Provides smooth operation, 40-150 PSI working pressure, rated to 225 PSI overpressure.
- **Linear Torque Output** – No loss of torque in at mid-stroke or side load to valve or actuator.
- **Control Accessories** – Complete range of modular “stack-up” control accessories mount easily to the actuator.
- **Corrosion Resistant** – Two-stage stoved epoxy finish and stainless steel fasteners and travel stops.

General Specifications for K-TORK Actuators

Vane and Output Shaft:	High Tensile Alloy Steel / Electroless Nickel Plated
Vane Seals:	Polyurethane, Optional “K-Seal” for High Temperatures
Vane Seal Expanders:	Stainless Spring Steel
Vane Side Plates:	Carbon steel, Epoxy finish
Case Half:	Model #K-1 to K-4 A380 Aluminum / #K-5 to K-7 A356 Aluminum
Shaft Bushings:	Glacier DU
Shaft Seal:	Nitrile, Optional “K-SEAL” for High Temperatures
Locator Pin:	Mild Steel
Stop Bolt O-ring:	Nitrile, Optional “K-SEAL” for High Temperatures
Fasteners:	Stainless Steel
Interior / Exterior:	Two-Stage Stoved Epoxy
Couplings:	Mild Steel, Weldable (supplied with each actuator)
Maximum Working Pressure:	150 PSI
Maximum Overload Pressure:	225 PSI
Maximum Temperature:	175° F. Standard Seals, 300° F. with High Temperature Seals