

# ACTUATOR

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## ROTARY



### ▲ PRODUCT SPECIFICATIONS:

Motor operated: AC, brushed DC, or brushless DC  
High reduction ratios: up to 5,000:1  
Rated torque: up to 1,200 in/lbs  
Output speed from 1/16 to 60 RPM

### ▲ PRODUCT DESCRIPTION:

Electromech Technologies custom designs and engineers electromechanical actuators for the Aerospace Industry. Electromech Technologies has flight proven designs in flight control applications of Fuel Control Valve Actuation, Bleed Valve Actuation, and Fuel Shutoff Valve Actuation.

### ▲ ENVIRONMENTS:

Altitude: -200ft. to 55,000ft.  
Temperature: -85°F to 450°F  
Temperature Variation: 50°F per minute  
Vibration Operational: DO-160 E & E1 Random  
Vibration Anti Back Drive: DO-160 E & E1 Random  
Vibration Robustness: 1.5 hrs. @ DO-160 E & 9.0 hrs @ DO-160 E1 Random  
Vibration Windmilling: 4.5 hrs @ 20g p-p; 32-52 Hz Sinusoidal  
Waterproof: DO-160 CAT S (Spray)  
Explosive Atmosphere: DO-160 CAT E (Non Ignition Source)  
Icing: DO-160 CAT C (1/8" thick ice)  
Fluids: JetA, JetA1, Proplene Glycol, Ethylen Glycol, ...  
Fire/Flamibility: 14CFR 25.1713( C) (Self Extinguishing)