



Product

H-Track Electric Actuator

Application

Snow Plows

Highlights

- Unique electric actuator with self-contained hydraulic actuation
- Force rating of 5000 lbs. (22 kN)
- Compact, power dense design
- Patent-pending valve and reservoir design
- Stroke lengths up to 16 in., solid rods allow for increased resistance to buckling
- IP67 static, IP69K dynamic rated
- 500-hour salt spray rated

Warner Linear engineers recently developed a new electric actuator with self-contained hydraulic actuation which is ideal for snow plows and a variety of other industrial applications. Snow plows are a tough application where loading, such as when a moving plow blade strikes a stationary concrete obstacle, can quickly destroy most linear actuators. The H-Track actuator has the ability to cushion these types of blows and continue operating as required.

The innovative electric H-Track provides the performance of hydraulics without the space requirements and expense of a full-size hydraulic system. The H-Track is a power dense actuator solution with a force rating of 5000 lbs. (22 kN) packaged in a compact size. A unique, patent-pending valve and reservoir design also provides significant space savings compared to competitive models.

The unit's power pack features a configurable gear pump. Two gear size options in combination with multiple gear housing thicknesses allow for variable pressures and volumes. The actuator is immune to vibrational drifting and hydraulically self-locks.

Weather-tight, submersible, and washdown-capable, H-Track actuators are IP67 static, IP69K dynamic and 500-hour salt spray rated. Units are completely sealed with a wide operating temperature range of -40°F to 180°F (-40°C to 82°C). All these features allow H-Track actuators to provide a long service life in harsh snow plow operating environments.

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