Maxon Shut-Off and Vent Valves
Hazardous Locations

- Electrically actuated valves shut off gas or oil lines in less than one second.
- Normally open versions available for vent or process purge lines with Maxon’s long-lasting metal-to-metal seating.
- Application flexibility provided with 3/4” through 6” diameter line sizes, $C_v$ flow factors up to 765, and line pressures up to 600 PSIG.

- All Maxon top assembly enclosures meet approval sanctions:
  - NEMA 1, 3, 3S, 4, and 12; Available with NEMA 4X trim (optional)
  - “NI” valves are FM approved for hazardous locations:
    - Class I, Division 2, Groups A, B, C, and D: T5 (AC)
    - Class II, Division 2, Groups F and G: T5 (AC)
    - Class III, Division 2: T5 (AC)
  - “NI” Valves are built in accordance with the Non-Incendive Component Criteria as outlined by NEC/NFPA 70-1996 Articles 500-2(a)(6)
Normally Open or Normally Closed valves

**1-1/4” Series 4760NI**
- Position “L”,
- Socket welded nipples and flanges

**1” Series STO-MNI**
- Position “R”

- **Sanctioned service valve approvals:**
  - FM (Factory Mutual) sanctioned
  - IRI (Industrial Risk Insurers) approvable for block/bleed/vent systems
  - Contact your Maxon sales representative for international sanctions information

- **Handles flowing fluid temperatures:**
  - Rising stem bodies from -20°F (-28°C) to +140°F (+60°C)
  - Swinging gate bodies from -20°F (-28°C) to +250°F (+121°C)
  - Any ambient temperature from -20°F (-28°C) to +140°F (+60°C)

**Valve cycle requirements:**
This is based on the standards that Maxon valves are approved to and the corresponding minimum number of cycles to be completed without failure as shown in the chart below.

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<thead>
<tr>
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<th>CSA (CSA 6.5)</th>
<th>FM (FM 7400)</th>
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<tbody>
<tr>
<td>Automatic - Series 4700NI</td>
<td>100,000</td>
<td>20,000</td>
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<tr>
<td>Manual - Series 700NI</td>
<td>20,000</td>
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Maxon Valves – large or small, gas or oil, open or closed

- Valve bodies designed to ANSI (American National Standards Institute) standards. ISO (International Standards Organization) standards also available.
- Various application requirements met with manual reset or automatic reset motorized operators.
- Minimize line pressure drops with straight-through flow swinging gate or rising stem (guillotine action) valve bodies.
- Minimal field maintenance required.
- Positive visual indication of valve body position is provided by large two-color open-shut indicator.
- Bodies built for heavy duty industrial service of one-piece cast iron or cast steel.
- Installation piping convenience obtained from field rotatable top assemblies.
- Special operating features available in Special Service Packaged versions.
- Micro-lapped seating wears in, not out.
Accessory Options

- **Positive indication of valve body position provided through:**
  - Auxiliary SPDT signal switches mounted inside valve top enclosure.
  - Proof-of-open and/or Proof-of-closed position switches.

- **Built-in over travel valve body design** meets requirements of insurance standards.

- **External junction box requirement eliminated** with built-in valve wiring compartment and electrical terminal block.

- **Manual reset valves may be mounted in overhead lines** with use of wheel and chain option.

- **Companion flange sets available** to simplify installation.