

# Maxon Shut-Off and Vent Valves Hazardous Locations



**2" Series 808NI  
position "L"**



**2-1/2" Series STO-ANI-CP  
position "L"**



**3"-F Series 5000NI-S  
with flanged body  
position "L"**

- **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.

	CSA (CSA 6.5)	FM (FM 7400)
Automatic - Series 4700NI	100,000	20,000
Manual - Series 700NI	20,000	20,000

## Maxon Valves – large or small, gas or oil, open or closed



*2-1/2" Series 5000NI-CP  
position "R"*



*3"-F Series 808NI-S  
with flanged body  
position "L"*

- **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



*2" Series 808NI  
position "L"  
with wheel & chain assembly*



*1-1/4" Series 5000NI  
with ISO threads  
position "TO"*

- **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.