

High Pressure Electro-Mechanical Oil Safety Shut-off Valves

Industrial Grade Electro-Mechanical Safety Shut-off Valve that stops the flow of various grades of oil to the combustion chamber in under a second. Offered in a wide range of body connections, construction materials, with global certifications.

Overview



These electrically actuated valves shut off oil lines in less than one second. A variety of optional body materials and body connections provide reliable operation of these shut off valves even for highly corrosive fuels and for oxygen with MAXON's long-lasting metal-to-metal seating. Application flexibility is provided with 3/8 through 2 diameter line sizes, Cv flow factors up to 218, and line pressures up to 550 PSIG.

Features & Benefits:

- Electrically actuated valves shut off oil lines reliably
- Application flexibility provided with 3/8 through 2" diameter line sizes, Cv flow factors up to 218, and line pressures up to 550 PSIG
- Handles flowing fluid temperatures:
 - Swinging gate bodies from -20°F (-28°C) to +550°F (+288°C)
 - Any ambient temperature from -20°F (-28°C) to +140°F (+60°C)
- Various application requirements met with manual reset or automatic reset motorized operators
- Minimize line pressure drops with straight-through flow swinging gate valve bodies
- Positive visual indication of valve body position is provided by large two-color openshut indicator
- 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

Specifications

ACTUATION, VALVE & MOTION CONTROL SPECIFICATIONS

Actuator Type

- Motorized automatic or manual reset

Valve Type

- Electro-mechanical shut-off valve (normally closed)

Valve Closure Time

- <1 seconds



MATERIAL SPECIFICATIONS

Valve Body Material
Cast Iron, Cast Steel
Trim Materials
Hard-Faced Steel, 420 Stainless Steel, Ductile Iron, PEEK Inserts
Seal Material
Viton, Teflon, Grafoil (depending on Trim)

CONNECTIONS & INTERFACES

Valve Body Connection Options
ANSI/ISO threaded, flanged, nipples with 150#/300#/600# flanges

ACTUATION, CONTROL & MOTION CHARACTERISTICS

Switch Options
VOS (Valve Open Switch), VCS (Valve Closed Switch), SPDT, DPDT

DIMENSIONS & SIZE SPECIFICATIONS

Sizes
3/8 to 1-1/4 in (DN10 to DN32)

OVERVIEW

Product Type
Electrically actuated electro-mechanical liquid fuel safety shut-off valve

INSTALLATION & MOUNTING SPECIFICATIONS

Mounting Options
Horizontal preferred; top assembly rotatable in 90 deg increments

PRESSURE SPECIFICATIONS

Line Pressure
Up to 550 psig

STANDARDS & CERTIFICATIONS

Hazardous Location Approvals
FM, CSA, IECEx, KTL, CCC (model-dependent)
Approvals
UL, CSA, FM for General Purpose Valves

FLUID/MEDIA/COMPONENT TEMPERATURES

Fluid Temperature Range
-20 to 550 deg F (-28 to +288 deg C) depending on model

APPLICATIONS & COMPATIBILITY

Fluid Compatibility
Fuel oils (#1, #2, preheated #4-#6), kerosene, JP-4, LPG, non-combustible gases

PERFORMANCE, FLOW & CAPACITY

Flow Coefficient (Cv/Kvs)



- Up to 45

ENVIRONMENTAL CONDITIONS

Enclosure Rating

- IP65, NEMA 1, 3, 3S, 4, 12; Optional NEMA 4X (model-dependent)

Ambient Temperature Range

- -20 to 140 deg F (-28 to +60 deg C)
- Some models limited to 125 deg F

ELECTRICAL & SIGNAL SPECIFICATIONS

Electrical Rating

- Motor: up to 220 VA; DC options available
- Solenoid: 22 to 24 VA

PROCESSING & PERFORMANCE METRICS

Cycle Life

- 20,000 (manual)
- Up to 100,000 cycles (automatic)

Filters

▼ CATEGORY	
☒ Spare Part	
☒ Base Part	

▼ TYPE	
☒ Valve Body Assembly	
☒ Valve Body	
☒ Shut-Off Valve	
☒ Adapter Base Assembly	
☒ Hex Nut	
☒ Disc	
☒ Nipple	

Part Number	00381517
Description	.38" SANCTIONED AUTO OIL NA S-O VALVE
Category	Base Part
Type	Shut-Off Valve
	Order Online

Part Number	00381517U
Description	.38" NON-SANCTION AUTO OIL NA S-O VALVE
Category	Base Part
Type	Shut-Off Valve
	Order Online

Part Number	00388700
Description	.38" SANCTIONED AUTO OIL SHUT-OFF VALVE
Category	Base Part
Type	Shut-Off Valve
	Order Online

Part Number	00388790
Description	.38" NON-SANCTIONED AUTO OIL S-O VALVE
Category	Base Part
Type	Shut-Off Valve
	Order Online
Part Number	00501517
Description	.5" SANCTIONED AUTO OIL NA S-O VALVE
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Description	.5" NON-SANCTIONED AUTO OIL S-O VALVE
Category	Base Part
Type	Shut-Off Valve
	Order Online
Part Number	00751517
Description	.75" SANCTIONED AUTO OIL NA S-O VALVE
Category	Base Part
Type	Shut-Off Valve
	Order Online
Part Number	00751517U
Description	.75" NON-SANCTION AUTO OIL NA S-O VALVE
Category	Base Part
Type	Shut-Off Valve
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Product Number



Please sign in to view part numbers available for purchase based on your account

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