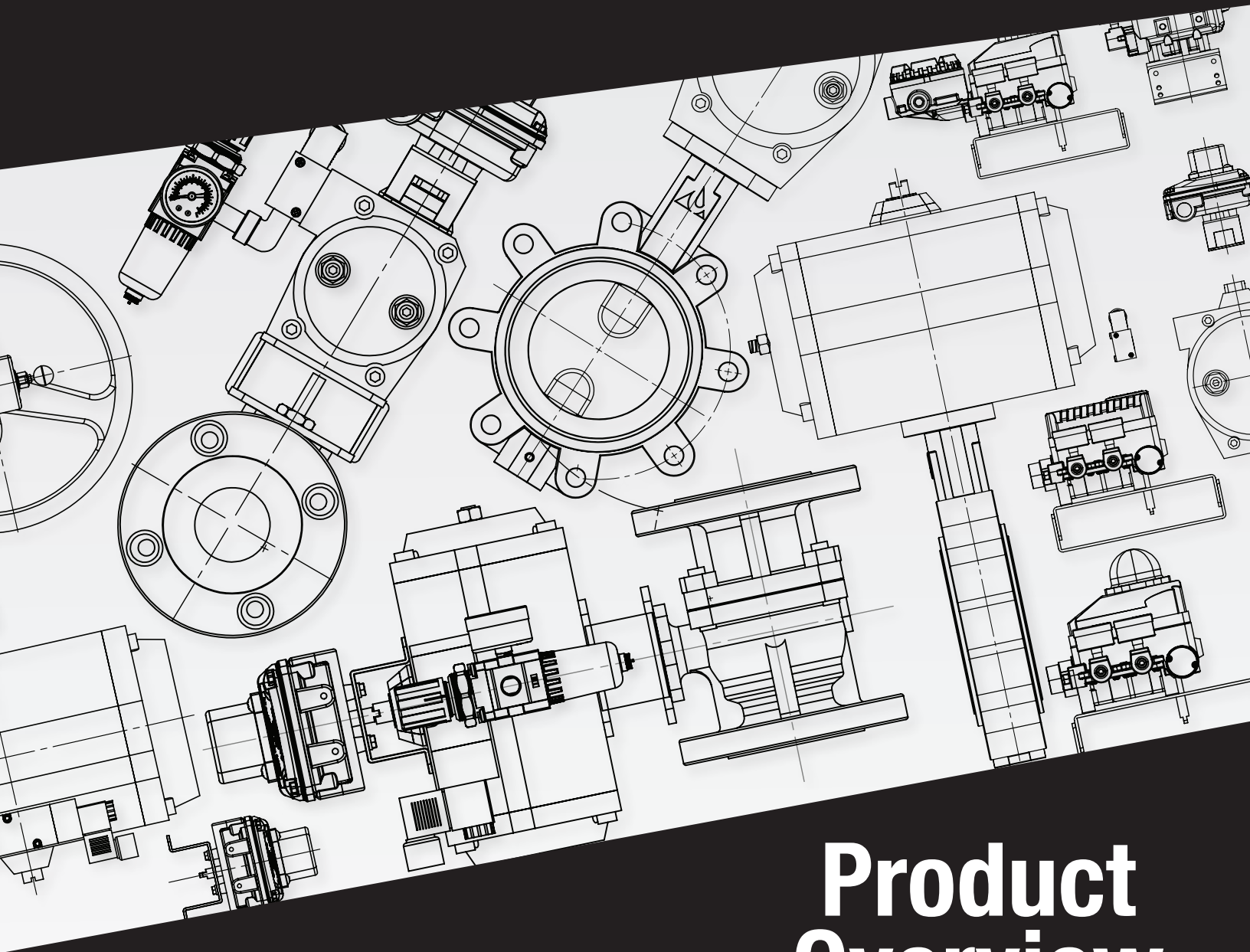




Max-Air TECHNOLOGY

The Best Way To Automate Your Process



Product Overview

2016 EDITION



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MAX-AIR TECHNOLOGY WARRANTY

Max-Air Technology provides the following warranty regarding products manufactured by it. **THE WARRANTY STATED HEREIN IS EXPRESSEDLY IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS, EXPRESSED OR IMPLIED, OR STATUTORY, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.** Max-Air Technology warrants its products to be free from defects in materials and workmanship when these products are used for the purpose for which they were designed and manufactured. Max-Air Technology does not warrant its products against chemical or stress corrosion or against any other failure other than from defects in materials or workmanship. The warranty period is for twelve (12) months from installation date or eighteen (18) months from shipment date, whichever date comes first. Any claims regarding this warranty must be in writing and received by Max-Air Technology before the last effective date of the warranty period. Upon Max-Air Technology receipt of a warranty claim, Max-Air Technology reserves the right to inspect the product(s) in question at either the field location or at Max-Air Technology Manufacturing plant. If, after inspection of the product(s) in question, Max-Air Technology determines that the purchaser's claim is covered by this warranty, Max-Air Technology's sole liability and the purchaser's sole remedy under this warranty is limited to the refunding of the purchase price or repair or replacement thereof at Max-Air Technology option. Max-Air Technology will not be liable for any repairs, labor, material or other expenses that are not specifically authorized in writing by Max-Air Technology, and in no event shall Max-Air Technology be liable for any direct or consequential damages arising out of any defect from any cause whatsoever. If any Max-Air Technology product is modified or altered at any location other than Max-Air Technology – St. Louis (Missouri) or Max-Air Technology – Sesto San Giovanni (Milan) ITALY without the express written authorization of Max-Air Technology, said product is not covered by this warranty. The warranty for such products shall be subject only to the warranty relief, if any, provided by the suppliers and/or manufacturers of such products.

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MAX-AIR GLOBAL NETWORK



THE BEST WAY TO AUTOMATE YOUR PROCESS.

Max-Air Technology is a worldwide leader in automation technology and process control products. For over 15 years we have used our engineering expertise and industry experience to continually improve our products, striving to provide robust solutions and competitive prices. Designed for easy integration and reliability, our products have been proven in a variety of industries and applications including chemical, pharmaceutical, food and beverage, power, oil and gas, wastewater, and dampers. We also strive to provide unusually excellent customer support to back our products and keep your downtime to a minimum.

Max-Air's full line of pneumatic control products – including our industry recognized rack and pinion actuators – provide cost-effective solutions for simple on/off control or more complicated flow requirements such as diverting or multi-port applications. Our patented adjustable dual travel stops provide the greatest degree of control in the industry at ± 10 degrees on each end of the stroke. To complement our actuators we have a complete range of control accessories including solenoid valves, limit switches, positioners, and a wide assortment of automation hardware. In addition, Max-Air offers best-in-class assembly services and turn-key automation packages to minimize installation time and simplify project sourcing.

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The MT Series rack & pinion pneumatic actuators continue the Max-Air tradition of easy integration, flexible customization, and reliable operation.

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UT Series

The original UT Series rack & pinion pneumatic actuators offer easy integration, flexible customization, and reliable operation.

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UT 180° Series

The UT 180° Series actuators offer extended stroke ranges up to 180° for double acting and spring return applications.

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UT Technopolymer Series

The UT Series line of technopolymer actuators are designed to withstand highly corrosive environments.

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GP Series

The GP Series line of glass-reinforced polypropylene actuators are designed to withstand highly corrosive environments.

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SS Series

The SS Series actuators take corrosion resistance to the extreme with all of the great engineering features that set Max-Air apart from the competition.

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HD Series

The HD Series heavy duty scotch yoke actuator is designed to perform in the most demanding applications. SHD (symmetric) and CHD (cantilever) types available to suite different torque profiles.

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Special Coatings

Coating innovations for a wide array of applications: LockMesh®, Polyamide Epoxy, Infused Electroless Nickel, Hard Anodization.

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AE Series

The AE series features a compact design, minimizing the complete valve package envelope size and its weight and therefore eliminating the need for pipe supports.

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MACC Series

The MACC series electric actuators are ideal for small packages. They come with prewired leads available in several different lengths, pre-calibrated cams and switches.

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EH Series

The EH, EHS, and EHD Series range is designed for fail-safe actuation across a wide range of torques with reliability and lower cost than an equivalent electric actuator.

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NAMUR Solenoid Valves

SV Series solenoid valves designed according to NAMUR VDI/VDE 3845 for use in ordinary and explosion proof applications. Available in both epoxy coated aluminum and stainless steel.

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Limit Switches

Max-Air Limit Switches offer a full range for your ordinary and explosion proof applications. Available in epoxy coated aluminum and stainless steel.

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Positioners

Max-Air positioners designed to meet all modulation requirements reliably and accurately. Smart Positioners and Advanced Communications available.

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Gear Operators

Dependable manual and declutchable gear operators. Lockout kits, limit switch options, and high temperature versions available.

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Filter Regulators

Clean supply air is key to extending the life of critical components. Max-Air FR series is cost effective and dependable.

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Volume Air Boosters

Highly dependable solutions for assisting with less than desired air pressure/flow conditions.

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Lockup Valves

Advanced air flow solutions for sensing and acting upon changes in pressure as a safety mechanism to help prevent damage to piping systems.

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NAMUR Accessories

Max-Air Technology offers a range of NAMUR compatible accessories designed to fit our full line of rack & pinion actuators.

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HCFD Blocks

High capacity flow blocks specially design for our MT and UT series pneumatic actuators for fast acting applications.

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Max-Air Smart Beacon

The solution of choice for applications where space minimization is a priority and plug and play limit switches are desired.

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MAX-LINK Brackets

MAX-LINK MAB Series valve brackets conform to ISO 5211 standards and are available in four sizes ranging from F03 up to F12.

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Brackets & Couplers

Max-Air Designed in 3D and manufactured to exact dimensions. Innovative solutions for your toughest applications.

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Adapters

More adapters than any other manufacturer, with all the odd sizes available, in stock for same day shipment.

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Assembly Services

Max-Air offers assembly and testing services in order to be your one stop shop for all of your automation needs, including pre-wiring and tubing, custom applications and BFM tee assemblies.

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MT SERIES ALUMINUM ACTUATORS

The MT Series actuator design helps make automation effortless.

The MT Series rack & pinion pneumatic actuators continue the Max-Air tradition of easy integration, flexible customization, and reliable operation. Features include two ISO bolt circle patterns drilled directly in the body, NAMUR standard mounting for accessories, and our patented $\pm 10^\circ$ adjustment for the open/closed positions, all backed by the best unlimited cycle life warranty.



Features:

- Direct ISO 5211 standard valve mounting
- Direct NAMUR accessory mounting (solenoid valves and limit switches)
- Patented dual travel stop design, $\pm 10^\circ$ adjustment in open and closed directions
- Best in the industry Unlimited Cycle Life Warranty
- Precision honed cylinder bore improves self-lubrication and extends service life
- Skates & bearings isolate surfaces for high cycle wear resistance
- Anti-blowout bi-directional pinion retention
- Rugged rack & pinion tooth design w/ minimal hysteresis
- High visibility open/closed beacon, allows access to pinion for manual override
- Pre-loaded spring cartridges for easy change-out and configuration
- More actuator sizes available than any other manufacturer

Configurations:

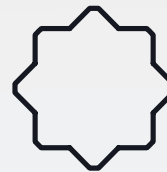
- Double-Acting (Air-to-Air) operation
- Spring-Return (Air-to-Spring) operation, Fail-Close or Fail-Open
- Standard Rotation (CCW open) or Reverse Rotation (CW open)

Options:

- Female Double-D and Keyed Pinions
- T-Port & L-Port indicators for multiport applications
- Extended travel stops for greater stroke adjustment
- Polyamide Epoxy & LockMesh™ corrosion resistant coatings



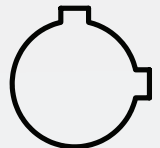
Pinion Options



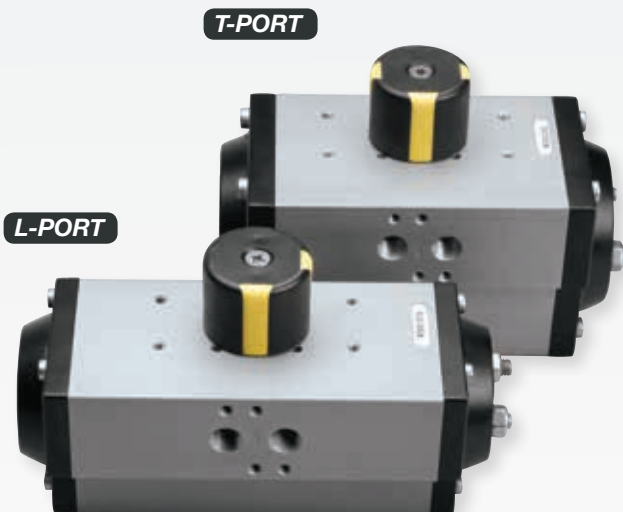
Double-Square
(ISO Standard)



Double-D
(Optional)



Keyway
(Optional)



T-Port and L-Port indicators available for multiport applications. High visibility inserts for easy configuration and flow path identification.

SPECIFICATIONS

Rotation	90 Degrees $\pm 10^\circ$ Adjustment (MT12-MT76)
Housing	Anodized Aluminum
Pinion	Nickel Plated Carbon Steel
Endcaps & Pistons	Epoxy Coated Die Cast Aluminum
Fasteners	AISI 304 Stainless Steel
Seals	BUNA-N Standard (high & low temp options)
Skates & Wear Bearings	Technopolymer
Spring Cartridges	Epoxy Coated Steel w/ Technopolymer Cartridge
Ambient Temp. Range	-4°F to 176°F Standard (high & low temp options)
Operating Pressure	40 to 120 PSI
Max Pressure Rating	150 PSI
Torque Range	40 to 47,250 in-lbs (DA)
Valve Mounting	ISO 5211
Accessory Mounting	NAMUR VDI/VDE 3845

MAX-AIR TECHNOLOGY EXCLUSIVE

SEALS	CODE	TEMP RANGE
Super Low Temp. (FVMQ)	SLT	-67°F (-55°C) to 400°F (204°C)
Low Temp. (Silicone)	LT	-49°F (-45°C) to 400°F (204°C)
Standard (BUNA-N)	STD	-4°F (-20°C) to 176°F (80°C)
High Temp. (VITON)	HT	-10°F (-23°C) to 300°F (149°C) continuous up to 350°F (177°C) cyclic

Note: Standard temperature rating for Canadian market is -40°F to 400°F with silicone seals

INDICATOR

OPEN/CLOSED, standard for 90° and 180°.

PINION

Carbon steel/electroless nickel plated for all sizes.

Stainless steel option available on request.

END CAPS AND PISTONS

Die-cast aluminum pistons are epoxy powder coated (internal and external) for corrosion resistance. Die-cast aluminum end caps are epoxy powder coated (internal and external) for corrosion resistance.

SPRING CARTRIDGES

Springs are carbon steel and coated for corrosion resistance. Spring guides are corrosion resistant technopolymer.

BODY

Extruded aluminum body (ASTM B210 6063) is internally machined to exact specifications and honed to reduce friction and increase the life of seals and skates. All internal and external surfaces are anodized for corrosion resistance.

Available options: hard anodizing with Lock Mesh coating, epoxy coated units or autocatalytic nickel impregnated body protection

DUAL TRAVEL STOPS

Two travel stops allow $\pm 10^\circ$ adjustment in both open and closed directions in the UT/MT16 through UT/MT66. (Int. Patent)

*Note: MT04, UT/MT71 and UT/MT76 offer 5° stroke adjustment on the opening phase of the actuator MT08 offers $\pm 10^\circ$ in both directions

BEARING PAD

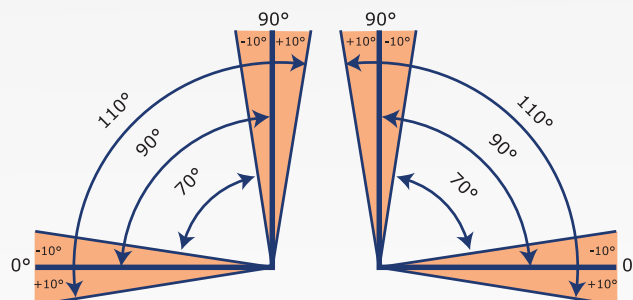
Large contact area, high performance, long-life resistance, made of technopolymer.

BI-DIRECTIONAL PATENTED TRAVEL STOP ILLUSTRATION

Max-Air actuators feature a bi-directional travel stop (International Patent). Side located stops allow a $\pm 10^\circ$ adjustment in both closing and opening directions, providing a range of adjustment between 70° and 110° of actuator stroke.

Travel stops are designed to absorb the maximum rated torque of the actuator and the maximum impact load associated with recommended speed stroke.

Adjustment of the counter clockwise and clockwise rotation is accomplished by turning the respective left (MAX) and right (0°) adjustment screws to increase or decrease output rotation.



UT SERIES ALUMINUM ACTUATORS

The UT Series rack & pinion actuators are the original Max-Air innovation featuring a removable flange for easy valve integration, flexible customization, and reliable operation. The UT Series has all the same great features of the MT Series, including NAMUR standard mounting for accessories, and our patented $\pm 10^\circ$ adjustment for both the open and closed positions, all backed by the best unlimited cycle life warranty.



Interchangeable Mounting Flange

ISO mounting standard (F03-F14 sizes)
Special Mounting Flanges:

- F04 / 3.25"
- 3.25" / F12
- 3.25" / 5.00"

Allows for direct mounting to a wide variety of valve types and sizes.

Features:

- Direct ISO 5211 standard valve mounting
- Interchangeable mounting flange
- Direct NAMUR accessory mounting
- Patented dual travel stop design, $\pm 10^\circ$ adjustment in open and closed directions
- Best in the industry Unlimited Cycle Life Warranty
- Precision honed cylinder bore improves self-lubrication and extends service life
- Skates & bearings isolate surfaces for wear resistance
- Anti-blowout bi-directional pinion retention
- Rugged rack & pinion tooth design w/ minimal hysteresis
- High visibility open/closed beacon, allows access to pinion for manual override
- Pre-loaded spring cartridges for easy configuration
- More actuator sizes available than any other manufacturer

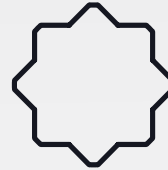
Configurations:

- Double-Acting (Air-to-Air) operation
- Spring-Return (Air-to-Spring) operation, Fail-Close or Fail-Open
- Standard Rotation (CCW open) or Reverse Rotation (CW open)
- 180° Actuators: Double-Acting, Center Return, Spring-Return

Options:

- Female Double-D and Keyed Pinions
- T-Port & L-Port indicators for multiport applications
- Extended travel stops for greater stroke adjustment
- 3.25" and 5.00" Mounting Patterns
- 180 Degree Rotations

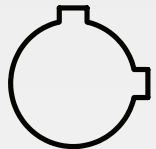
Pinion Options



Double-Square
(ISO Standard)



Double-D
(Optional)



Keyway
(Optional)

SPECIFICATIONS

Rotation	90 Degrees $\pm 10^\circ$ Adjustment
Optional Rotations	180°/150°/135°/120°
Housing	Anodized Aluminum
Pinion	Nickel Plated Carbon Steel
Endcaps & Pistons	Epoxy Coated Die Cast Aluminum
Fasteners	AISI 304 Stainless Steel
Seals	BUNA-N Standard (high & low temp options)
Skates & Wear Bearings	Technopolymer
Spring Cartridges	Epoxy Coated Steel w/ Technopolymer Cartridge
Ambient Temp. Range	-4°F to 176°F Standard (high & low temp options)
Operating Pressure	40 to 120 PSI
Max Pressure Rating	150 PSI
Torque Range	62 to 18,000 in-lbs (DA)
Valve Mounting	ISO 5211
Accessory Mounting	NAMUR VDI/VDE 3845

UT 180° SERIES ALUMINUM ACTUATORS

The UT 180° actuators offer a complete range of extended body, double-acting actuators from 120° up to 180°. These options allow you to choose the actuator that best fits your application instead of the actuator dictating your automation requirements. The spring-return 180° actuators maintain the same high output torques as the standard MT actuators while providing a solid solution for a lifetime of consistent performance without hassling with an oversized unit.



180°/150°/135°/120°

Double Acting Actuators

Max-Air Technology offers a complete range of extended body, double-acting actuators from 120° up to 180°. These options allow you to choose the actuator that best fits your application instead of the actuator dictating your automation requirements.

Note: 120° actuators are also available in spring return configuration.

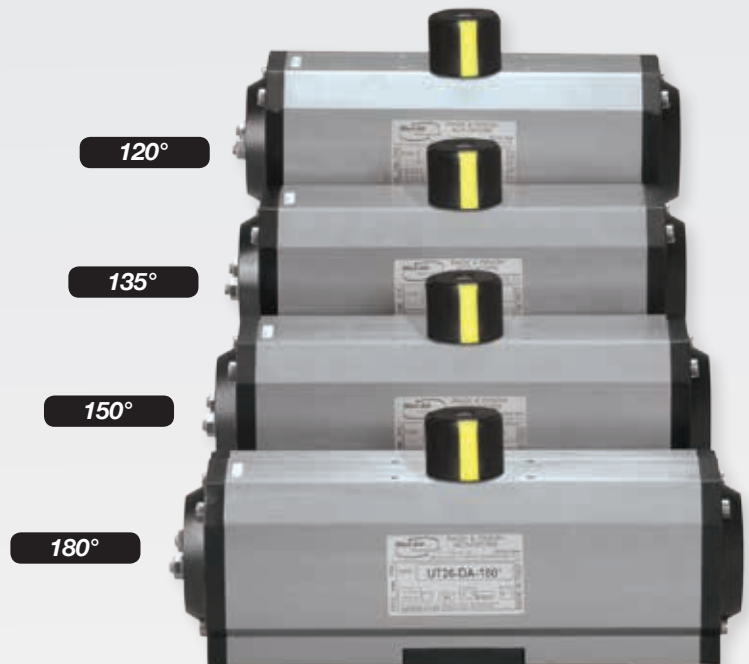
180° Center Return Spring Actuators

±90° & Return to Center

For applications where returning to center is imperative, Max-Air Technology has this optimal solution. Specially designed and machined, this unit saves hours of engineering redesign for fail-to-center applications.

180° Spring-Return Actuators

The Max-Air Technology 180° actuator maintains the same high output torques as the standard MT actuators while providing a solid solution for a lifetime of consistent performance without hassling with an oversized unit.



*Note: All 180° actuators can achieve smaller strokes such as 120°, 135°, 150°, or anywhere in between by using Max-Air extended travel stops.

180° CONTROL OPTIONS

Which solenoid valves can be used with 180° actuator?
It depends on the actuator and the application, see below:

180° Double Acting

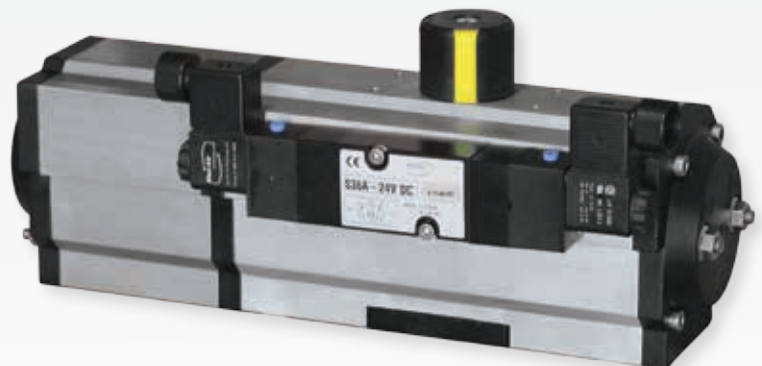
- Standard SV Series for 0°-180° 2 position control
- S36C Series solenoid valve, center return, dual coil, closed centers for fail-in-place (Fail Freeze)

180° Center Return

- S36A Series solenoid valve, with dual coil, center return, open centers for -90°, 0°, +90° 3-position control (Fail to 0°)

180° Spring Return

- Standard SV Series for 0°-180° 2-position (Fail to 0° or 180°)



Center-Return 180° actuator shown with open centers S36A solenoid valve.

ENGINEERED POLYMER ACTUATORS

The Max-Air line of technopolymer and glass-reinforced polypropylene actuators are designed to withstand the most extreme environments. Available in three sizes, your applications requiring plastics and corrosion resistance are covered with up to 500 in-lbs of torque (Double-Acting).



GP SERIES GLASS REINFORCED POLYPROPYLENE

Ideal for strong acid and alkali environments.

*GP Series actuators come standard with a stainless steel pinion.

UT TECHNOPOLYMER SERIES

Suited for service in environments with hydrocarbons, organic solvents, and fuels.

*Max-Air Technology offers a matching limit switch to accompany the UT Series Technopolymer actuators. (See 41 Series on pg. 19)

Features:

- Direct ISO 5211 standard valve mounting
- Interchangeable mounting flange
- Direct NAMUR accessory mounting
- Skates & bearings isolate surfaces for high cycle wear resistance
- Anti-blowout bi-directional pinion retention
- Rugged rack & pinion tooth design w/ minimal hysteresis
- Low profile indicator, allows access to pinion for manual override
- Pre-loaded spring cartridges for easy change-out and configuration

Configurations:

- Double-Acting (Air-to-Air) operation
- Spring-Return (Air-to-Spring) operation, Fail-Close or Fail-Open
- Standard Rotation (CCW open) or Reverse Rotation (CW open)

Options:

- Optional SS pinion for UT Series
- Matching Technopolymer limit switch box available

SPECIFICATIONS	GP SERIES	UT SERIES
Rotation	90 Degrees	90 Degrees
Housing & Endcaps	Glass Reinforced Polypropylene	Technopolymer
Pinion	Stainless Steel	Nickel Plated Carbon Steel (Stainless Steel optional)
Pistons	Epoxy Coated Die Cast Aluminum	Epoxy Coated Die Cast Aluminum
Fasteners	AISI 304 Stainless Steel	AISI 304 Stainless Steel
Seals	BUNA-N	BUNA-N
Skates & Wear Bearings	Technopolymer	Technopolymer
Ambient Temp. Range	-4°F to 176°F	-4°F to 176°F
Operating Pressure	40 to 100 PSI	40 to 100 PSI
Max Pressure Rating	120 PSI	120 PSI
Torque Range	62 to 625 in-lbs (DA)	62 to 625 in-lbs (DA)
Valve Mounting	ISO 5211	ISO 5211
Accessory Mounting	NAMUR VDI/VDE 3845	NAMUR VDI/VDE 3845

SS SERIES STAINLESS STEEL ACTUATORS

The SS Series actuators take corrosion resistance to the extreme with all of the great engineering features that separate Max-Air from the competition. Our stainless steel actuators conform to the ISO standard which makes valve automation easy and cost effective. Max-Air Technology's dual patented travel stops allow up to 110° of stroke in a 90° actuator, providing exceptional positioning adjustment.



Electro-Polish Standard (Optional mirror finish)



Stainless Package Options:

- Stainless Steel Solenoid Valves
- Stainless Steel Limit Switch Boxes
- Stainless Steel Positioners
- Stainless Steel Mounting Kits

Features:

- Direct ISO 5211 standard valve mounting
- Direct NAMUR accessory mounting (solenoid valves and limit switches)
- Patented dual travel stop design, $\pm 10^\circ$ adjustment in open and closed directions
- Best in the industry Unlimited Cycle Life Warranty
- Precision honed cylinder bore improves self-lubrication and extends service life
- Skates & bearings isolate surfaces for high cycle wear resistance
- Anti-blowout bi-directional pinion retention
- Rugged rack & pinion tooth design w/ minimal hysteresis
- High visibility open/closed beacon, allows access to pinion for manual override
- Pre-loaded spring cartridges for easy change-out and configuration

Configurations:

- Double-Acting (Air-to-Air) operation
- Spring-Return (Air-to-Spring) operation, Fail-Close or Fail-Open
- Standard Rotation (CCW open) or Reverse Rotation (CW open)

Options:

- Optional mirror finish
- Matching SS accessories available

COMPLETE STAINLESS PACKAGES



SPECIFICATIONS

Rotation	90 Degrees $\pm 10^\circ$ Adjustment
Housing & Endcaps	AISI 316 Stainless Steel
Pinion	AISI 316 Stainless Steel
Pistons	Epoxy Coated Die Cast Aluminum
Fasteners	AISI 316 Stainless Steel
Seals	BUNA-N Standard (high & low temp options)
Skates & Wear Bearings	Technopolymer
Spring Cartridges	Epoxy Coated Steel w/ Technopolymer Cartridge
Ambient Temp. Range	-4°F to 176°F Standard (high & low temp options)
Operating Pressure	40 to 120 PSI
Max Pressure Rating	150 PSI
Torque Range	62 to 6,000 in-lbs (DA)
Valve Mounting	ISO 5211
Accessory Mounting	NAMUR VDI/VDE 3845

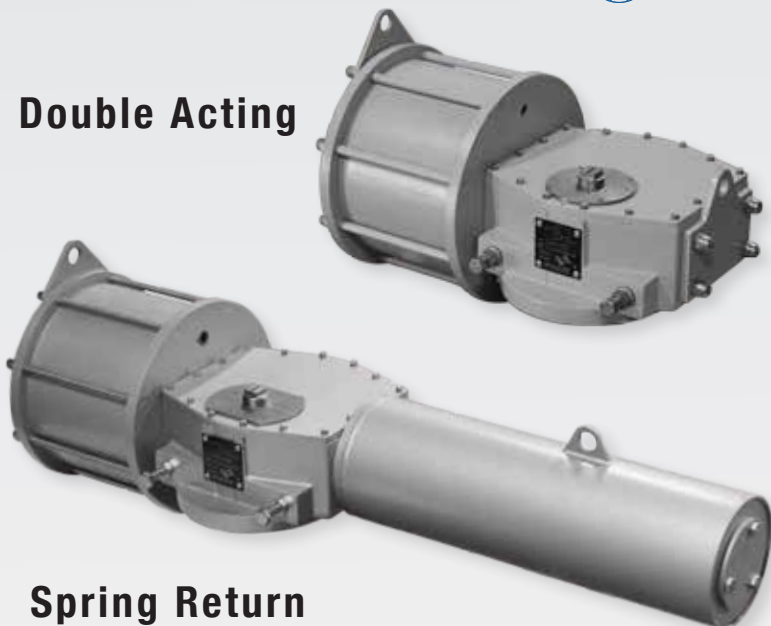
HD SERIES SCOTCH YOKE ACTUATORS

Designed to perform in the most demanding conditions!

SHD (symmetric type) and CHD (canted type) heavy duty scotch yoke actuators are designed to perform in the most demanding applications. They are engineered to automate all types of quarter turn valves (ball, butterfly, plug and damper) with multiple torque profiles available in order to provide a "best fit" for every situation. Torque range is up to 2,700,000 in-lbs double acting, and 1,300,000 Spring Return.



Double Acting



Spring Return

SLIDE BLOCK TECHNOLOGY



The slide block has a wide surface contact area, impregnated with PTFE, that assures lower contact forces and smoother operation and is designed to withstand higher forces through load distribution, thereby protecting process critical equipment.

Features:

- Symmetric and Canted Yoke options
- Slide Block Technology extends service life
- Hard chrome plated wear surfaces
- Travel stops with $\pm 6^\circ$ adjustment in both directions
- Three layer epoxy coating for general corrosion resistance
- Direct ISO 5211 standard valve mounting
- Direct NAMUR top accessory mounting
- Modular design w/ self-contained spring modules
- Optional Heavy Duty Polyamide Epoxy coating

Configurations:

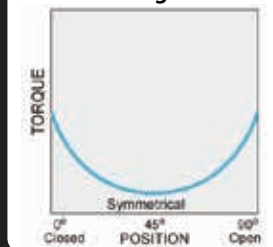
- Double-Acting (Air-to-Air) operation
- Spring-Return (Air-to-Spring) operation, Fail-Close or Fail-Open
- Standard Rotation (CCW open) or Reverse Rotation (CW open)

Selectable Torque Curves

Symmetric Type



Double Acting Actuator

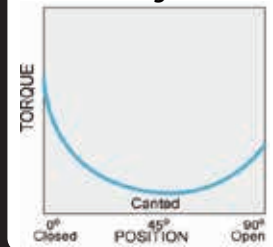


SHD series is equipped with SYMMETRICAL design yoke that produces maximum torques at both ends of the stroke (0° and 90°) and minimal in the middle, therefore this series is the optimal solution for metal seated ball valves, plug valves and for modulating service.

Canted Type



Double Acting Actuator



CHD series is equipped with CANTED design yoke that produces maximum torques at the beginning (valve unseating) and at the end of stroke (valve reseating), therefore this series is the optimal solution for butterfly valves.

SPECIFICATIONS

Rotation	90 Degrees $\pm 6^\circ$ Adjustment
Housing	Epoxy Coated Ductile Iron
Yoke, Slide Block & Pin	Alloy Steel
Slide Block Bearings	High Strength Copper Alloy, PTFE Impregnated
Piston Rod & Spring Rod	Alloy Steel
Air Cylinder Piston	Alloy Steel
Spring & Spring Retainer	Alloy Steel
Seals	BUNA-N Standard (high & low temp options)
Fasteners	Alloy Steel
Ambient Temp. Range	-4°F to 176°F Standard (high & low temp options)
Operating Pressure	60 to 90 PSI
Max Pressure Rating	100 PSI
Torque Range	10,000 to 2,000,000 in-lbs (DA)
Valve Mounting	ISO 5211
Top Accessory Mounting	NAMUR VDI/VDE 3845

SPECIAL COATINGS

A wide variety of actuator coatings are available to extend the limits of service for aluminum actuators.

These coatings provide economical alternatives to stainless steel in a wide variety of applications, extending the boundaries of the traditional service limits for aluminum actuators. From salt spray to immersion to caustic washdown environments, our specialty coatings can solve your actuation problems without the extreme cost of stainless steel.

Increased Corrosion Resistance



Material / Coating	Aluminum: Hard Anodized (Standard)	Aluminum: Anodized w/ Polyamide Epoxy Coating	Aluminum: Electroless Nickel Infused	Aluminum: Teflon Infused SS Mesh "Lock Mesh™" Coating	Stainless Steel
Appearance	Silver-gray with a matte appearance	Black with a medium gloss finish	Medium gloss silver finish	Dark Grey finish	Silver; low to medium gloss unless polished
General Properties	Good general corrosion properties in most "natural" environments with pH from 4.5 to 8.5. Good resistance to salt air environments. The coating is extremely hard and resistant to abrasion.	This epoxy coating is a relatively thick coating which creates a barrier against many of the chemicals which anodizing alone cannot adequately resist. It will resist more acidic or basic environments than anodizing alone.	Uniformly thick coating with essentially no porosity and a reasonably high hardness. The coating is pure, tough, hard, and resistant to many types of corrosion media.	This coating provides complete surface coverage and exhibits excellent corrosion resistance properties in a wide variety of applications. In addition, it is FDA approved for food contact.	304 and 316 stainless steel are the most commonly used alloys. Both have good corrosion resistance but 316 is generally considered superior, however more expensive.
Relative Cost	Lowest Cost	Moderate Cost	Moderately High Cost	Moderately High Cost (Qty Discounts Available)	Highest Cost
Performance Limitations	Highly acidic or basic environments will break down the coating.	Good general corrosion resistance, particularly in salt or alkaline environments. Limited resistance to acids. Surface chalking will occur when exposed to UV radiation. Also suitable for low concentrations of caustic washdown solutions.	The coating will provide enhanced corrosion protection in very acidic environments but will not withstand attack from strong alkaline media. Also suitable for low to medium concentrations of caustic washdown solutions.	These coatings are resistant to any environment into which an actuator would be installed. Provided the integrity of the surface is intact, the coating can resist a broad array of chemical environments at temperatures ranging from sub-zero to 350° F.	Although stainless steel does offer enhanced corrosion resistance, it also is dramatically higher in both cost and weight. The weight differential will often necessitate the use of special support bracketry. Corrosion resistance is superior.

*Note: See Lock Mesh Product Bulletin 20130305-RO for technical details of this incredible coating.

AE SERIES ELECTRIC ACTUATORS

AE Series electric actuators provide a highly reliable solution for your electric actuation requirements. With torque ranges from 300 in-lbs to over 5200 in-lbs, including optional handwheel overrides, fast acting solutions, as well as extra limit switches, LED position indication, internal space heaters, and modulation capability, the AE Series is designed to exceed your expectations.



Features:

- Compact design & direct ISO 5211 valve mounting
- Easy field wiring, setup and adjustment
- Multiple voltage options available (AC/DC)
- Open and close directions $\pm 5^\circ$ travel adjustment
- Standard manual override, hand wheel on larger models
- Standard auxiliary limit switches for open/close feedback
- Standard Open/Close LEDs for easy visual indication
- Standard internal space heater & thermal overload protection
- Selectable input/output signal on modulating models
- Optional internal electrical relay (for 2-wire control)
- Optional 180° rotation for on/off models only up to AE03

Configurations:

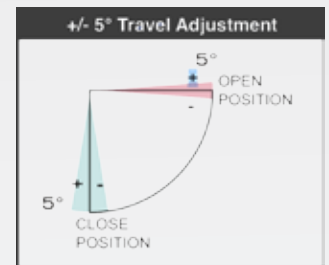
- Standard On/Off Control (120VAC, 220VAC, + more AC options)
- Extended Duty On/Off Control* (120VAC, 220VAC, 24VAC/DC Dual Voltage)
- Fast Acting On/Off Control (120VAC, 220VAC, 24VAC/DC Dual Voltage)
- Modulating Control (120VAC, 220VAC)

On/Off Control

- Multiple voltages available
- Fast acting and extended duty models available
- Easy wiring and setup
- Manual override standard

Proportional Control

- Selectable input/output signal (4-20mA, 0-10V, 0-5V)
- Available in 120VAC or 220VAC
- Easy Travel and sensitivity adjustment
- Manual override standard



SPECIFICATIONS

Rotation	90 Degrees $\pm 5^\circ$ Adjustment
Housing	Aluminum Alloy Base, Polycarbonate Cover
Gears	Heavy duty sintered metal
Back-Drive Resistance Method	High gearing ratio + back-drive resistant motor
Ambient Temp. Range	14°F to 140°F
Relative Humidity Range	30% to 95%
Enclosure Protection Rating	IP67 (Water and dust proof)
Switches	SPDT Mechanical Switches (2 Auxiliary)
Power Supply Voltage (AC/DC)	120VAC, 220VAC, 24VAC/DC dual voltage
3-Phase AC Power Supply Voltage	220VAC, 380VAC, 480VAC
Modulating Input Signal (Selectable)	4-20mA, 0-10V, 0-5V
Modulating Output Signal (Selectable)	4-20mA, 0-10V, 0-5V
Torque Range	75 to 5,290 in-lbs
Valve Mounting	ISO 5211
Manual Override	Included (hand wheel on larger sizes)

*100% Duty Cycle according to IEC60034-S4 duty type.

MACC SERIES ELECTRIC ACTUATORS

Compact MACC series electric actuators ideal for small packages

MACC electric actuators come with prewired leads available in several different lengths, pre-calibrated cams and switches, and several different ISO standard mounting patterns to fit easily into your application. A position indicator and manual override come standard with this low-profile and cost-effective unit.



Available Options:

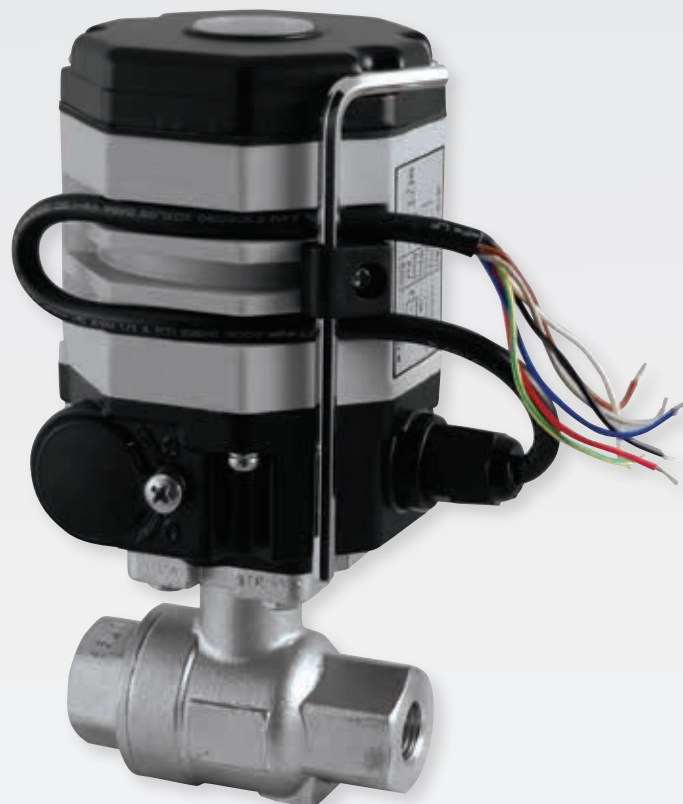
AC-With Signal Switches

DC-With Signal Switches

Voltage Options

24 VAC 120VAC 240 VAC 24VDC

Fast acting options available.



Features:

- Super compact design for tight space requirements
- Direct ISO 5211 standard valve mounting
- Multiple voltage options available (AC/DC)
- Standard manual override included
- Standard auxiliary limit switches for open/close feedback
- Standard 4-meter flying leads; additional lengths available
- IP68 enclosure protection rating
- Low profile visual indicator



*Flying leads allow for easier integration and can be customized to fit your project.

SPECIFICATIONS

Rotation	90 Degrees			
Housing	Die Cast Aluminum Alloy			
Gears	Heavy duty sintered metal			
Ambient Temp. Range	-22°F to 140°F			
Enclosure Protection Rating	IP68			
Switches	SPDT Mechanical Switches			
Voltage	24VAC 110VAC 220VAC	24VDC		
Torque (in-lbs)	160	80 Fast Acting	160	80 Fast Acting
Operation Speed (sec)	12	6	12	6
Valve Mounting	ISO 5211			
Manual Override	Included			
Weight	2.65 lbs			

EH SERIES ELECTRO-HYDRAULIC ACTUATORS

Self-Contained Unit

A unique approach to providing operational self-containment, Max-Air offers this spring-return unit ready to operate without preparing any complicated controls or wiring. Using Max-Air's proven MT Series actuator, a self-contained, low pressured hydraulic system provides fail-safe valve actuation in remote locations where air lines aren't feasible and spring-return electronics are too expensive and unreliable. Standard power and signal lines are all that is needed for operation. Electro-hydraulic actuators available for standard or hazardous environments. Please call or visit www.maxairtech.com for more information.



Nema 4/4x Version

Features:

- Fluid power actuation for remote locations
- Mechanical spring-return fail-safe operation for ESD's
- Direct ISO 5211 standard valve mounting
- Self-contained system requires only power and signal wires
- Low pressure operation prolongs system life and minimizes leaking risk
- Flexible tubing for vibration resistance
- Open design for easy maintenance & adjustments
- Multiple power and signal voltages available (120VAC standard)
- Standard open/close feedback switches
- Standard NEMA 4 rating



**Explosion Proof Version
(Class 1 Div 2)**

Configurations:

- Fail-Close or Fail-Open operation
- EH models: MT Series actuator, standard junction box, reservoir w/ breather cap
- EHS models: MT Series actuator, control, sealed compensator design
- EHD models: HD Series actuator, PCB control, sealed compensator design

Options:

- Manual override hand pump or declutch gear operator
- Modulating/Proportional control (4-20mA)
- Corrosion resistant rating (NEMA 4X)
- Hazardous duty (Explosion Proof Class 1, Div. 2)
- Low temperature service

SPECIFICATIONS

Rotation	90 Degrees $\pm 10^\circ$ Adjustment ($\pm 6^\circ$ for EHD)
Housing	Anodized Aluminum (Alloy Steel for EHD)
Ambient Temp. Range	-4°F to 176°F (low temp options)
Enclosure Rating	NEMA 4 Standard (NEMA 4X or 9 optional)
Switches	SPDT Mech. Switches Standard (other options)
Power & Signal Voltage	120VAC Standard (other options)
Modulating Input/Output Signal	4-20mA
Torque Range (in-lbs)	2,000 to 1,000,000 in-lbs
Valve Mounting	ISO 5211
Manual Override	Optional hand pump or declutch gear operator
Fluid	ATF Standard

NAMUR SOLENOID VALVES

Solenoid valves are available in single coil, dual coil or 3-position configuration and can be used with either lubricated or non-lubricated air.

The Max-Air NAMUR series solenoid valve features an electroless nickel plated spool, easy-to-use manual override (lockable), and is field convertible for use on either double acting (4 way) or spring return (3 way) actuators.



SV61 Series

NEMA 4/4x, IP65, any voltage

SV71 Series

Intrinsically safe, 24 VDC
(not pictured)

SV91 Series

NEMA 7/9 Explosion
Proof, any voltage

*3-Way & 4-Way Adapter Plates



Single Coil Options



Dual Coil & 3-Position Options

Features:

- Direct mount compatible with any Max-Air rack & pinion actuator (or any actuator with 1/4" NAMUR pattern)
- Multiple voltages available (AC/DC)
- Water and dust proof according to IP65
- Standard duty, intrinsically safe & explosion proof models
- Suitable for use with other Max-Air NAMUR speed control accessories
- Standard lockable manual override button

Configurations:

Type	Standard Duty	Intrinsically Safe	Explosion Proof
Single Coil, Left Pilot	SV61	SV71	SV91
Single Coil, Right Pilot	SV63	SV73	SV93
Dual Coil	SV62	SV72	SV92
3-Position, Open Centers	S36A	S37A	S39A
3-Position, Closed Centers	S36C	S37C	S39C

Options:

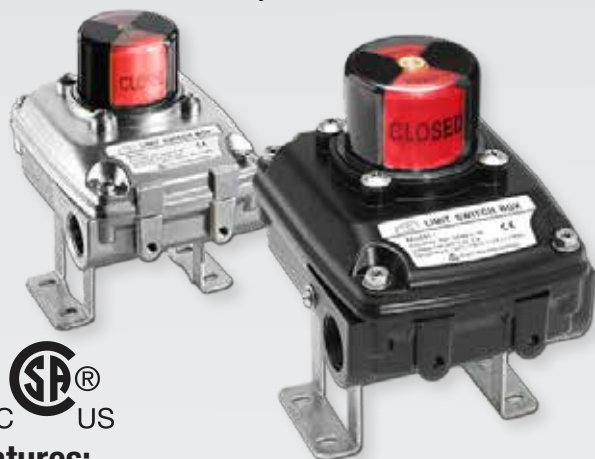
- Class H Coils
- SSV series stainless body solenoid valves
- High temp. VITON seals
- IP67 Watertight Kit
- Lighted DIN connectors
- Molded DIN connectors w/ flying leads
- 3-way & 4-way spacer plates available

SPECIFICATIONS

Direct Mount Standard	NAMUR VDI/VDE 3845
Body	Powder Epoxy Coated Aluminum
Spool	Anodized Aluminum
Spring	Stainless Steel
Seals	BUNA-N Standard (VITON optional)
Coil Class	Class F 100% Duty Standard (Class H optional)
Wiring Connection	1/2" NPT Conduit or 1/4" Cable Gland
Operation	3-way or 4-way, air-piloted
Air Connection	1/4" NPT
Ambient Temp. Range	-4°F to 158°F Standard (high temp options)
Enclosure Rating	IP65
Voltage	120VAC, 24VDC, 12VDC/24VAC, 230VAC/125VDC
Manual Override	Included, Lockable
Pressure Range	0-120 PSI
Flow Coefficient (Cv)	1.1
Certifications	CSA/UL, ATEX

45 SERIES LIMIT SWITCHES

The Max-Air Technology aluminum and stainless steel limit switch box is setting a new standard for compact limit switches. Units are available with mechanical, proximity, and inductive options to allow for a low cost switch based on the needs and demands of your application. [NOTE: Formerly known as MS41-2AL]



Features:

- Compact Design with Captive Cover Bolts
- Quick Set Cams
- Easy Wiring Through PCB Terminal, 10pt.
- Single and Dual-Coil Solenoid Valve Options
- 3-Way T-Port & L-Port Beacon Options
- Inclusive SS 30x80x30 NAMUR Mounting Bracket



48 SERIES LIMIT SWITCHES

Max-Air's 48 Series limit switch series is rated for use in hazardous environments in both Europe and North America. Available in both aluminum and stainless steel enclosures, it can be supplied with a wide variety of switch types and ratings making it suitable for almost any application.



Features:

- Compact Design with Captive Cover Bolts
- Quick Set Cams
- Easy Wiring Through PCB Terminal, 10pt.
- Single and Dual-Coil Solenoid Valve Options
- 3-Way T-Port & L-Port Beacon Options
- Inclusive SS 30x80x30 NAMUR Mounting Bracket

Available ATEX II 3 D and ATEX II 2 G D (EExia) approved. Ask about our CSA listed switches.



SPECIFICATIONS

Enclosure Protection	IP67/NEMA 4/4X
Temperature Range	-4°F to 176°F Standard
Conduit Entries	2x½" NPT
Switches	2 Switches, Mechanical, Proximity, Inductive
Terminal	10 pts-single + dual coil solenoid compatible
External Coating	Black epoxy powder coating (aluminum only)
Weight	1.62 lbs (aluminum), 3.94 lbs. (SS)

ELECTRICAL RATING

Mechanical Switches	5A @ 250VAC Standard
Proximity Switches	See Ordering Information
Magnetic Switches	Max 48VDC @ .25 A-5W max

SPECIFICATIONS

Enclosure Protection	IP67/NEMA 4/7, 9
Temperature Range	-4°F to 140°F
Conduit Entries	2x½" NPT (M20 available)
Switches	2-4 Switches, Mech, Prox, Inductive
Terminal	10 pts-single + dual coil solenoid compatible
External Coating	Black epoxy powder coating (aluminum only)
Weight	3.79 lbs (aluminum), 4.85 lbs (SS)

ELECTRICAL RATING

Mechanical Switches	11A @ 250VAC Standard
Proximity Switches	See Ordering Information
Magnetic Switches	Max 100W, 300V

Proximity & Inductive switches rated for Class I, Division 1, Groups C&D and Class I, Division 2, Groups A, B, C & D.
Mechanical switches only rated to Class I, Division 1, Groups C & D and Class I, Division 2, Groups C & D.

41 SERIES TECHNOPOLYMER LIMIT SWITCHES

The MAX-AIR 41 series Limit Switch Boxes are compact and highly corrosion resistant. Manufactured completely in technopolymer with stainless steel fasteners and NEMA 4, 4x (IP65) rating, these switches are suitable for the most demanding environments.



Switch Options:



MECHANICAL SWITCHES



PROXIMITY SWITCHES

STANDARD MOUNT



DIRECT MOUNT



41 Series limit switches are available pre-wired, watertight, or with other types of specialty connectors (pre-wired with direct mount option shown).



Features:

- NEMA 4/4X Corrosion Resistant
- Mounting bracket & hardware included
- Quick Set Cams for easy adjustment
- Easy wiring through PCB Terminal, 10 pts.
- High visibility indicator
- Direct mount option for a super compact package
- Stainless steel captive cover bolts
- Mechanical or proximity switches available

SPECIFICATIONS

Enclosure Protection	IP65, NEMA 4/4X
Housing	Technopolymer
Temperature Range	-13°F to 212°F
Conduit Entries	2 x 1/2" NPT
Switches	2 x SPDT Switches, Mechanical, Proximity
Terminal	8pt. strip + 2pt. strip

ELECTRICAL RATING

Mechanical Switches	3A @ 250VAC
Proximity Switches	2A @ 250VAC



Optional Heavy Duty SS Brackets

Heavier gauge 300 series SS brackets available for demanding, high vibration applications. Standard Namur 20mm/30mm heights, and custom options also available.

MS-LSB-01



MS-LSB-02

***Heavy Duty SS Brackets are only available for 45 & 48 Series.**

ROTARY VALVE POSITIONERS

Max-Air offers both single & double-acting valve positioners, with input signals of 4-20 mA and 3-15 PSI configurations, for proportional control of rotary actuators.

The positioners operate on the force-balance principal by comparing the standard signal transmitted from a pneumatic or an electro-pneumatic device and the angular rotation of the operating stem, and conveys a positioning amplified pressure to the valve actuator. Offered in NEMA 4/4X, explosion proof and intrinsically safe environments.

Please call our sales team at (636) 272-4934 for more information.



***Positioner mounted to
Max-Air double-acting
actuator.**



POSITION TRANSMITTER & LIMIT SWITCHES

Max-Air offers a stand-alone direct mount position transmitter (PTM01) and a stand-alone position transmitter with internal limit switches (PTM02). The position transmitter and limit switches can also be ordered as an option within the desired rotary positioner. Please call our sales team at (636) 272-4934 for more information.

OPTIONS

- **Independent Position Transmitters**
PTM01-Position Transmitter, MTG
PTM02-Position Transmitter + LS, MTG
- **High & Low Temperature Adder-All Positions**
TEA01-High & Low Temperature Adder
- **High Vibration Electro-Pneumatic Positioners**
PEVX01-Remote SMART High Vibration, DA, PTM
PEVX02-Remote SMART High Vibration, SR, PTM
- **Positioner Assembly & Piping Options**
TUBING-SS-SS Tubing + SS Fittings
TUBING-NYLON-Nylon Tubing + Air Fittings
TUBING-TEFLON-High & Low Temp + Air Fittings



**Ask about the certifications available.
Call our sales team for more details at
636-272-4934.**



PNY SERIES

Pneumatic Positioners with Gauges

PNY01-3-15 PSI, Universal Mounting
 PNY02-3-15 PSI, Universal Mounting, LS
 PNY03-3-15 PSI, Universal Mounting, PTM
 PNY04-3-15 PSI, Universal Mounting, LS + PTM



PEY SERIES

Electro-Pneumatic Positioners with Gauges

PEY01-4-20 mA, Universal Mounting
 PEY02-4-20 mA, Universal Mounting, LS
 PEY03-4-20 mA, Universal Mounting, PTM
 PEY04-4-20 mA, Universal Mounting, LS + PTM



PEX SERIES

Explosion Proof Electro-Pneumatic Positioners

PEX01-4-20 mA, Universal Mounting
 PEX02-4-20 mA, Universal Mounting, LS
 PEX03-4-20 mA, Universal Mounting, PTM
 PEX04-4-20 mA, Universal Mounting, LS + PTM



PE-SMART SERIES

Smart Positioners

PE-SMART-DA-2500 4-20mA, DA
 PE-SMART-SR-2500 4-20mA, SR



PES-SMART SERIES

Smart Positioners - Stainless Steel

PES-SMART-DA-2550 4-20mA, DA
 PES-SMART-SR-2550 4-20mA, SR

MAX-AIR TECHNOLOGY POSITIONER PRODUCT LEGEND

LS=Limit Switch
 DA=Double Acting

PTM=Position Transmitter
 SR=Spring Return

- **SMART Positioners**
 PE-SMART-DA-SMART 4-20mA, DA
 PE-SMART-SR-SMART 4-20mA, SR
- **SMART Positioners-Stainless Steel**
 PES-SMART-DA-SS SMART
 PES-SMART-SR-SS SMART 4-20mA, SR
- **SMART Positioners-Explosion Proof**
 PEX-SMART-DA-EXPL PRF SMART 4-20mA, DA
 PEX-SMART-SR-EXPL PRF SMART 4-20mA, SR
- **SMART Positioners-Optional Features**
 PTA01-SMART Position Transmitter Adder
 HCA01-SMART Hart Protocol Adder
 LSA01-SMART Limit Switch Adder
 FFA01-Foundation Fieldbus Adder



GEAR OPERATORS

Max-Air offers manual and declutchable gear operators for quarter-turn valve applications.

The units come standard with black epoxy paint and iron or stamped steel hand wheels, making them well suited for general industrial service applications. Both types are designed with a broad output torque range, and are equipped with ISO 5211 valve mounting interfaces. The declutchable meets ISO 5211 mounting standards for the valve and actuator.



**COUPLERS FOR
DECLUTCH
GEAR OPERATORS
SOLD SEPERATELY**



**LOCKOUT
KITS SOLD
SEPERATELY**

FILTER REGULATORS

The filters in the Max-Air line of filter regulators are capable of eliminating particulates as small as 5 microns in size and help dry the air supply by preventing the passage of water droplets.



**MAFRL1N14
GENERAL PURPOSE**

Max-Air filter regulators, designed for general purpose or heavy duty applications, provide individual device pressure regulation and filtration within most common air system operating conditions.

**FILTER REGULATOR USE IS THE KEY
TO LONG LIFE PERFORMANCE.**



**MA-63252-NKG
HEAVY DUTY**

VOLUME AIR BOOSTERS

Max-Air's volume air boosters "boost" air operation by improving the speed of air delivery, or flow rate, into an actuator. This device converts a low flow signal to a high flow output, improving the speed of the connecting equipment (i.e. valve speed operation), providing for rapid cylinder action.



Available Sizes:

1/4" NPT
1/2" NPT
3/4" NPT

LOCKUP VALVES

Lockup valves are used as an accessory to modulating pneumatic actuators when it is functionally desirable for them to "fail in place" or "fail last position". When an air supply is present, the lockup valve is open and allows the free flow of compressed air from the positioner to the pneumatic actuator. When the lockup valve loses its signal (or it drops below an adjustable set point), the lockup valve closes and prevents the flow of air into or out of the actuator, thereby "locking" the actuated valve assembly in place.



Available Options

- Material - Aluminum or Stainless steel
- Configuration - Double Acting or Spring Return

NAMUR ACCESSORIES

Max-Air Technology offers a range of NAMUR compatible accessories designed to fit our full line of rack & pinion actuators. These devices can help modify operation speed or enhance functionality and performance of your automated package.



Speed Control Blocks & Mufflers

Basic or adjustable mufflers are the most economical way to slow down operation speed; NAMUR speed control blocks provide more fine-tuned reliable speed control.



Rebreathers

NAMUR rebreather blocks recycle clean supply air from one chamber to the other during the closing stroke, preventing the actuator from “breathing” in corrosive environmental air.



Block & Bleed

Ideal for use with declutchable gear operators, this device blocks incoming air and vents actuator ports to atmosphere, allowing for manual override operation.

HCFD BLOCKS

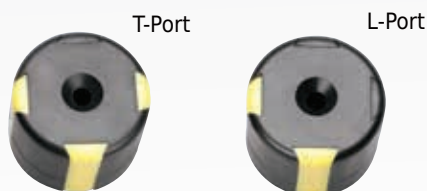
Max-Air Technology has worked to solve many different types of speed and fluid media requirements for a wide array of valve applications. The HCFD series High Capacity Flow Devices are designed to provide increased flow (mainly air or water) into our MT and UT series pneumatic actuators by bypassing the inflow and outflow of media supply with increased line sizes ported directly to the inner and outer actuator chambers. HCFD blocks have been designed to work with double acting and spring return applications.



MAX-AIR SMART BEACON

The solution of choice for applications where space minimization is a priority and plug and play limit switches are desired.

The concept of THE SMART BEACON is simple, effective and designed to work with most inductive type sensors from manufacturers such as IFM, Türck, and Pepperl + Fuchs.



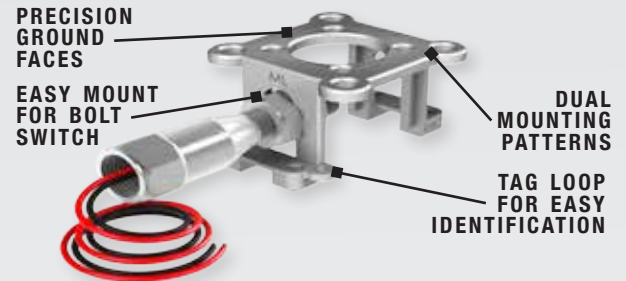
MAX-LINK SS BRACKETS



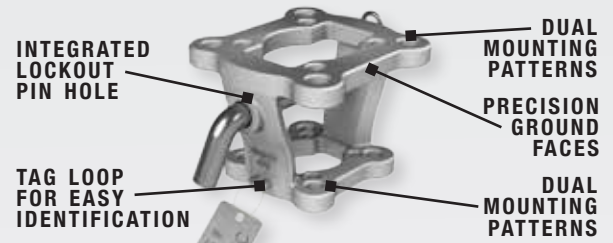
Features:

- Investment cast CF8 (304SS) for strength and corrosion resistance
- Precision ground faces for accurate and consistent mounting
- Four sizes available F03/04-F04/05, F04/05-F05/07, F05/07-F07/10, F10-F10/12
- Integral lockout hole and tag loop for easy identification
- Heavy duty cast NAMUR limit switch brackets also available, w/ inclusive hardware
- Box quantity discounts available

Limit Switch Mounting Bracket



Valve Mounting Bracket



BRACKETS AND COUPLERS

Max-Air stocks standard ISO mounting brackets for quick turnaround, ranging from F03 up to F12 sizes and available in multiple combinations. Fabricated bent brackets come standard in 304SS and Max-Link cast SS brackets are 303SS for compatibility in corrosive environments. Max-Air also designs and machines a wide range of custom brackets and couplings on an order-by-order basis, available in painted carbon steel or 304SS standard. All custom kits are designed in 3D with drawings for verification and quality control. Call Max-Air today for your all of your mounting hardware needs!



Custom Mounting Kits:

Non-Namur Style Limit Switches
Lockout Assemblies
Stem Extensions
3-Way Tee-Linkage Assemblies
Zero Hysteresis Couplings
Gearbox Handwheel Extensions
Scotch Yoke Actuators
Larger Size Valves
Automated Duplex Strainer Kits

ADAPTERS



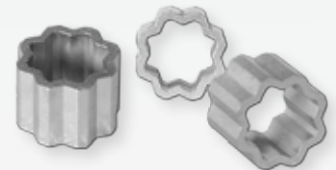
Double Square Adapter (DSQ)



Single Square Adapters (SSQ)



Single Square x Double-D Adapters



Double Square Adapter (DSQ-DSQ)



Single Square x Keyed Adapter



Double Square x Double-D Adapters



Sleeve Adapters [outside x inside]



Keyed x Double-D Adapters

ASSEMBLY & TESTING SERVICES

Max-Air offers assembly and testing services in order to be your one stop shop for all of your automation needs. We can assemble your favorite valve to a Max-Air actuator and a whole range of accessories to fit your project requirements, testing each assembly to ensure functionality before it heads out the door. We can even tag each assembly with your own custom assembly number for convenience – paper tags at no charge, custom engraved SS tags and anodized aluminum tags for a minimal fee. Max-Air assembly and testing services make installation quick and easy in the field by doing all the hard work for you, ahead of time.



TERMINATION & TUBING

Max-Air takes our assembly services one step further by offering pre-termination and tubing options which eliminate installation steps in the field, saving time and money. Pre-termination includes tying in solenoid valve leads to a limit switch box terminal, eliminating the need for separate wiring and reducing the field wiring to only one location. For termination, you can choose your level of protection (bare cable, flex conduit, hard conduit) and the area classifications (Nema 4/4X, Intrinsically Safe, Explosion Proof). Tubing applies to proportional control assemblies with electro-pneumatic or pneumatic-pneumatic positioners and is available in Nylon, Teflon, or hard SS tubing.



CUSTOM ASSEMBLIES

Max-Air has the capability to design, assemble and test custom valve assemblies to fit your specific requirements. We can design and submit operational diagrams or build and test to your own schematics. There are almost limitless options for modifying your valve's operational profile and fail conditions through the use of accessories. Max-Air's experience with custom assemblies and access to various accessories enables us to create a custom solution made just for you.

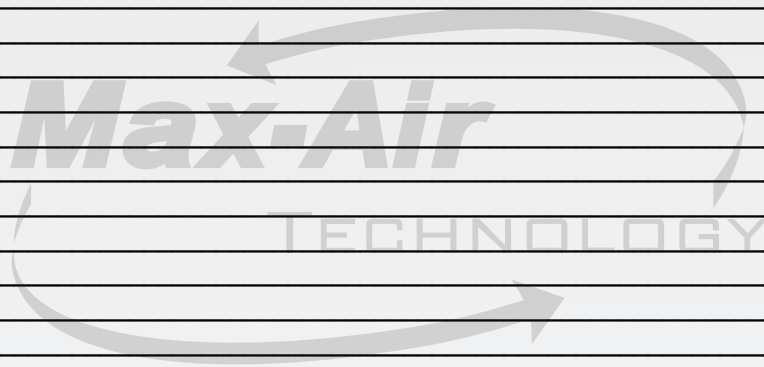


BFV TEE ASSEMBLIES

Max-Air offers a more economical solution to throttling, mixing and diverting applications with 3-way butterfly valve tee assemblies. Tees are available in cast iron, cast steel or stainless steel and can be outfitted with an MT Series pneumatic spring-return or double-acting actuator or an AE Series electric actuator. Modulating control or simple open/close can be achieved, with your desired fail position. All of the same Max-Air accessories are available to customize the tee assembly as needed. Max-Air can provide the complete tee assembly, tested and ready to go for quick installation.



NOTES



NOTES





The Best Way To Automate Your Process

Your nearest Max-Air dealer can be found at:



NORTH AMERICA

Max-Air Technology, Inc.
751 Hoff Rd
O'Fallon, Missouri 63366
United States of America
Tel: +1.636.272.4934
Toll Free: 888.842.9998
Fax: 636.272.4937

EUROPE

Emme Technology, Srl.
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20099 Sesto San Giovanni
Milan, Italy
Tel: +39.02.2626.2174
Fax: +39.02.2622.0777

ASIA

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Tongyuanju Front Street,
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Tel: +86.531.86917039
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R12282015