MAX-AIR
STAINLESS STEEL ACTUATORS

SS SERIES ACTUATORS

Max-Air Technology

www.max-airtechnology.com • Toll Free 1.888.842.9998 • Fax 1.866.842.3144
COMPACT DESIGN
The MAX-AIR stainless steel rack & pinion pneumatic actuator produces linear torque output in a compact design utilizing the same body and end caps for double acting and spring return units.

NAMUR MOUNTING
NAMUR VDI/VDE 3845 and ISO 5211 dimensions on all sizes. No special blocks are required to mount solenoid valves, limit switches or positioners.

DEGREE OF TRAVEL
The standard angle of rotation is 90°. For sizes from SS16 and larger, Max-Air features dual travel stops that provide for ± 10° stroke rotation on both the opening and closing phases of the actuator stroke. 110° of travel in a standard 90° actuator!

MULTIPLE OUTPUT SHAFTS
The female pinion drive is standard with a double square output drive, and optional with a double-D drive, keyed drive and designs to meet your specific requirements.

HIGH CYCLE BEARINGS
Shaft bearings isolate the pinion gear from the housing and support the shaft for high cycle applications. Many competitive manufacturers do not provide this critical feature.

RUGGED TOOTH DESIGN
The pinion teeth are engaged the full length and stroke of the piston. The pinion height allows manual override without disturbing the indicated positions.

HIGH VISIBILITY POSITION INDICATION
External open/close indicator as standard, available for all the rotations.

HIGH CYCLE LIFE WEAR PADS
Pistons incorporate double wear pads to separate the rack from the actuator wall and serve as both guide and wear bearings.

PRE-LOADED SPRING CARTRIDGES FOR SAFETY
Epoxy coated special steel springs are preloaded with non-metallic materials. The stainless steel end cap fasteners are extra long to allow for spring relaxation. All parts are corrosion resistant.

ALTERNATIVE OPERATING MEDIA
Air pressure operation from 40–150 PSI (2 to 10 Bar). Water, nitrogen and compatible hydraulic fluids may also be used to power the actuator.

STAINLESS STEEL FASTENERS
All external fasteners are corrosion resistant stainless steel.

HONED BORE FOR HIGH CYCLE LIFE
The SS Series body is internally machined and honed to exact specifications. Honing prevents dry spots from forming within the actuator bore and therefore eliminates premature seal failure—a critical aspect to long cycle life. All units are permanently lubricated at the factory with non-silicone grease.

TRACEABILITY
All units are externally stamped with a progressive traceable serial number.

QUALITY ASSURANCE
100% of all units are factory pressure and leak tested, and individually boxed for shipment.

ACCESSORIES
Max-Air offers a wide range of adapters for many different types of valves, including BFV, BALL and PLUG types.

Please call for details.

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*SS12 comes standard without dual travel stops

Max-Air Technology’s new stainless steel actuators are by design, best in class. 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, far superior in positioning adjustment.
Please ask about our stainless steel limit switch and solenoid valve to complement our stainless steel actuators.
Your nearest Max-Air dealer can be found at:

Did you know that we provide the following services?

- 2D and 3D CAD Assembly Drawings
- Trained Technical Support Services
- On-site Commissioning Services
- Engineering System Design Services

Your nearest Max-Air dealer can be found at: