

MAX-AIR STAINLESS STEEL ACTUATORS

COMING SOON



SS SERIES ACTUATORS



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FEATURES

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 $\pm 10^\circ$ 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 pre-loaded 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 2 to 10 Bar (40–150 PSI). 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.

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 from the competition.

Please ask about our stainless steel accessories to compliment our stainless steel actuators.

