

# Technopolymer Actuators

*Evolution in engineering rack & pinion actuators*



## Innovation

Max-Air Technology has established itself as a technical leader in the valve automation marketplace with their revolutionary Thermoplastic Series Actuators. Designed to withstand the most arduous environments, Max-Air offer three sizes for all your corrosive environmental applications covering up to 500 in-lbs of double-acting torque output.

## Corrosion Resistance

Double-Acting or Spring-Return housing are manufactured from a polyamide base material utilizing high cycle life spring cartridges made with non-metallic materials (springs are epoxy coated).

## Blowout Proof Protection

Mechanically held in with our exclusive patent-pending flange design, pinion are 100% blowout proof ensuring safe and effective operation.

## Stainless Steel Pinions and Fasteners

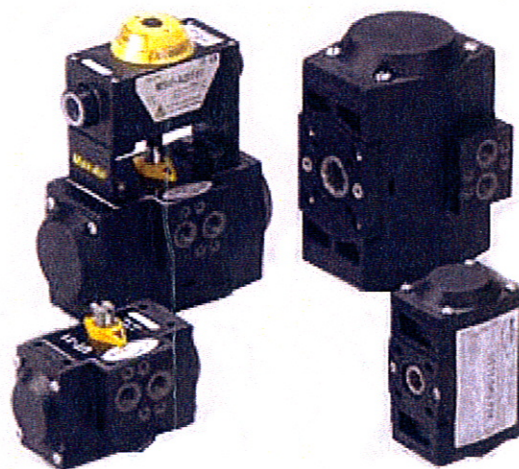
All manufactured from high quality stainless steel.

## ISO 5211 Output Drive

Standard on all Max-Air pneumatic actuators, the lower pinion comes standard as a double-square female output drive according to the ISO 5211 standard. Option double-d shafts are available upon request.

## Top Works Dimensions

Upper drilling for accessories and upper pinion machined according to NAMUR VDI/VDE 3337 standards.



## Solenoid Connection

Solenoid valve connection according to VDI/VDE 3845 made with an insert in alloy UNI 5076 (ASTM B179) coated with high corrosive resistance material; air connections are 1/4" GAS (Europe) and 1/4" NPT (United States).

## Versatile Operating Media

Air (lubricated if possible), Hydraulic oil or water, minimum of 40 psi. and maximum of 120 psi.

## Working Temperature

Standard working temperature range of -20°C to 80°C (-4°F to 176°F).

## Traceability

All units are serial number stamped for traceability back to the manufacturing date, time, and personnel.

## Quality Assurance

All units are seal tested throughout the cycle of the actuator on highly sensitive electronic equipment.