

MPI
MCWANE
PLANT & INDUSTRIAL



INDUSTRIAL PNEUMATIC ACTUATORS

SERIES VT

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DESIGN

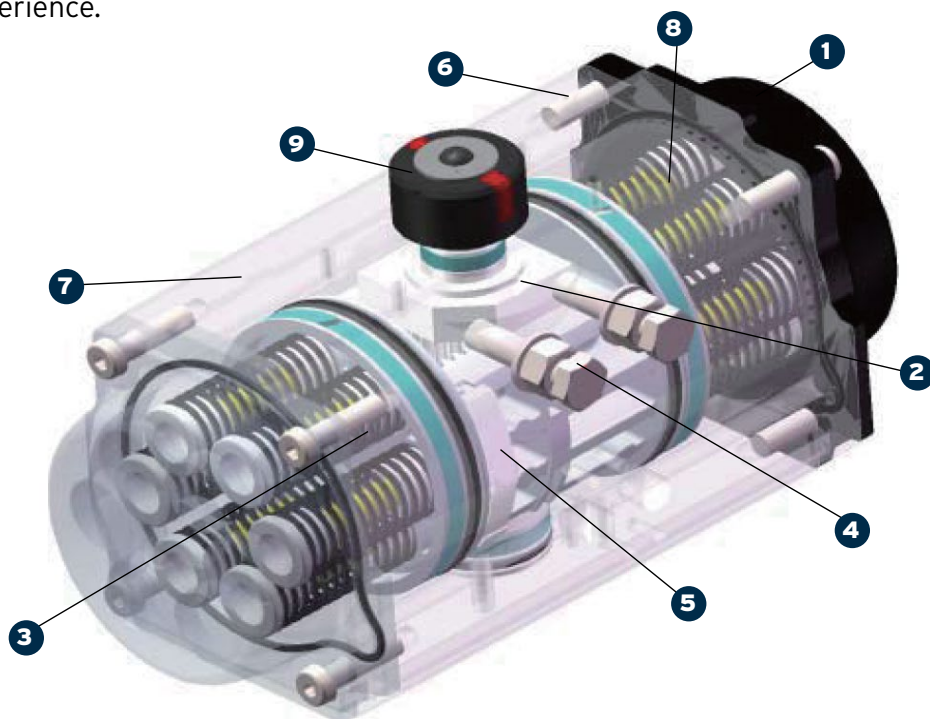
The new VT series pneumatic actuator integrates the latest pneumatic actuator technology and materials, including an innovative rack and pinion drive mechanism. The series is designed based on extensive field mounting and application experience.

FEATURES AND BENEFITS

1. The integrated and compact design uses the same body and end caps for both double-acting and spring-return actuator models. This design reduces spare parts inventory and simplifies field conversions, making it easy to add or remove spring cartridges.

2. The VT Series is fully compliant with the latest international standards, including ISO 5211, DIN 3337, and VDI/ VDE 3845. It also meets NAMUR standards and offers interchangeability, making it convenient to replace or mount accessories such as solenoid valves and limit switches.

3. These actuators offer compact size, high cycle life, and smooth operation. The symmetrical mounting position design allows the rotation direction to be easily and conveniently switched in the field by inverting the pistons.



4. Dual independent open and close travel stops are adjustable to $\pm 5^\circ$ externally, allowing precise adjusting of the opening and closing positions of the valve.

5. The composite bearings and guides on the pinion and piston ensure precise operation, low friction, and high cycle life, improving the output shaft reliability.

6. Internal and external fasteners are made of stainless steel, for corrosion resistance and long life.

7. The extruded aluminum body is treated for internal and external corrosion resistance. The finely machined cylinder surface ensures a low friction coefficient and a long cycle life.

8. Modularized, preloaded spring cartridges are field replaceable, field-retrofitable, and corrosion-resistant.

9. The multifunctional, NAMUR compliant position indicator offers a simple and clear visual indication. It also easily connects to a variety of accessories.

