Pneumatic Cylinders and Actuators

AVENTICS has an extensive line of pneumatic cylinders and actuators to provide solutions to applications large and small with standard bore sizes from 2.5mm to 14”. Our wide range includes NFPA (pneumatic & hydraulic), mini, micro, ISO standard, rodless, compact, guided, bellows, rolling diaphragm and twin rod cylinders plus rotary actuators. Materials range from steel and stainless steel, to aluminum and fiberglass. Automation actuators include our Easy-2-Combine system for quickly combining cylinders, mini slides, grippers, rotary modules plus Rexroth electric-mechanical drives.

Pneumatic Valves

Choose from poppet, spool and even sliding ceramic plates — and plug-in or traditional valve manifolds, or in-line types. Flows range from 0.008 to 15.8 CV. Our solenoid, air pilot, and manual/mechanical valves meet specific customer needs, from wash-down applications (including IP69K high pressure wash-down) to automotive and semiconductor. AVENTICS serial link products can reduce installation, troubleshooting and down time — and support protocols including DeviceNet, Profinet DP, EtherNet/IP, CANopen, InterBus-S and AB 1771 Remote I/O. Other valves include standard and electro-pneumatic pressure control, flow control, and other accessory types.

Air Preparation

The attractive Series AS line of FRLs covers from 1/4” to 1” in NPT and ISO-G ports. The compact Series NL1 includes 1/8” and 1/4” in ISO-G ports. Port sizes up to 2” are available from our additional series. Complete a custom installation using our lock-out and shut-off valves, distribution blocks, manifoldable regulators, soft start valves, dump valves and many filtration options. Our modular systems are easy to assemble by the user, or order them pre-assembled. MH1 stainless steel air prep is great for washdown and corrosive applications. Measure air consumption with our AF1 Flow sensors to achieve greater energy efficiency.

Fittings and Tubing, Vacuum and Accessory Devices

Our Series QR1 fittings are a broad, economical line of inch and metric (ISO-G) push-in fittings with an oval release ring for ease of use. Also available are stainless steel fittings, ISO-G to inch adapters, common pipe fittings, plus inch and metric tubing. Our wide range of vacuum components including cups, ejectors and accessories handle large or small applications. Where vacuum isn’t suitable, our NCT (Non-Contact Transfer) units can handle materials using positive air flow (Bernoulli principle). Other devices include quick exhaust, flow control, shuttle and check valves, shock absorbers and more.

Want to satisfy all of your pneumatic needs from one supplier? No problem!

With AVENTICS you can count on a full line of quality, innovative pneumatic components that get the job done and offer superior value over their long life. With locations around the globe, components with inch and metric ISO-G ports are available for customers everywhere. Our on-line configurators allow worry-free design of custom valve manifolds, cylinders and automation systems, providing a part number and CAD drawing immediately. Our Quick Ship focused delivery program is over 99% on time. AVENTICS — products you can rely on.