

MEDICAL

FLOW CONTROL SOLUTIONS

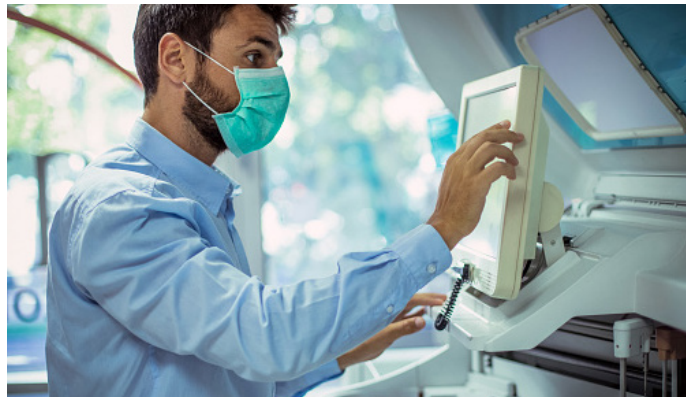


Life Sciences

WHO WE ARE

EXCELLENCE IN FLOW CONTROL

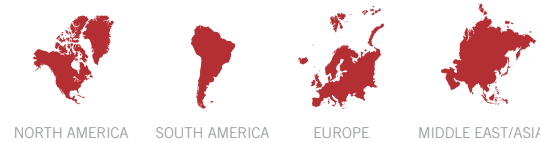
For over 50 years, CIRCOR (branded as Aerodyne Controls) has gained a reputation all over the world by providing flow control and actuation solutions to the Aerospace & Defense and Medical industries. Our engineering expertise compliments the specialized knowledge of our OEM Medical customers to help them bring their own unique technology to market, solving challenging design problems with both individual components and complete pneumatic systems.



GLOBAL OPERATIONS, ENGINEERING & SUPPLY CHAIN

SUPPORT WHEN AND WHERE YOU NEED IT

CIRCOR is a single solutions provider that can design, prototype, and manufacture. Our persistent drive to customize solutions for each customer builds lasting partnerships. We connect an unmatched range of technical capabilities, end-market experience, manufacturing pedigree, supply chain insights, and low-cost countries to enable each customer's success. With over 50 manufacturing sites in North America, Europe, Morocco, India, and China, and with its strong investment in R&D for Life Sciences and continuous product platform development, you can rely on CIRCOR for worldwide support and service.



SOLUTIONS



CUSTOM PNEUMATIC VALVES

- Pressure regulators: absolute, gauge, differential, and vacuum
- Solenoid valves, manual shut-off valves, relief valves, check valves, and fill valves
- Designs for high/low temperature



CUSTOM PNEUMATIC ASSEMBLIES

- Pressurization and stored gas control systems with regulators, solenoids, switches, and fittings
- Minimum size and weight for portable instruments
- Components manifolded for improved flow, higher reliability, and lower life cycle cost



CUSTOM PNEUMATIC POWER PACKS

- Low weight, low noise, complete pneumatic power packs
- Pressure, vacuum, temperature, and dew point control
- Gauges or transducers, with mechanical, electrical, and pneumatic interfacing



ELECTRO-MECHANICAL MOTORS

- Fractional horsepower (0.01 HP to 0.33 HP)
- Permanent magnet (ceramic, alnico, samarium cobalt, neodymium)
- Speeds up to 20,000 RPM to 0.1 RPM
- Torques up to 2,400 in-lbs (271 Nm)



APPLICATIONS WE SERVE

- Blood Separation & Packaging**
- Hematology Analysis**
- Cardiology Intra-Aortic Balloon Pumps**
- Ventilators**
- Compression Therapy**
- Respiratory Systems**
- Lab and Diagnostic Equipment**

RELIABILITY & QUALITY

CREATING THE PERFECT SOLUTION

CIRCOR Life Sciences bases its quality system on the principles of Total Quality Management, with emphasis on continuous improvement. Our program is routinely audited and certified to the most rigorous quality standards, including ISO 9001 and AS9100D.



DESIGN FOR MANUFACTURING

COLLABORATIVE ENGINEERING PARTNER

CIRCOR's Life Sciences solves technical challenges beyond the capabilities of off-the-shelf equipment. CIRCOR also utilizes the full range of its technologies into pre-engineered subsystems that reduce an OEM's technical risk, as well as lower its development cost and time. Engineering design is our hallmark. Whether we are creating a complete system or a discrete component, years of experience in advanced R&D projects provide us the special knowledge and talents to package high performance, elegant designs in small, lightweight, and economical packages.

MANUFACTURING SUPPORT

PRODUCTION EXPERTS

Products manufactured by us can be reliably repaired and refurbished with complete traceability and then be redeployed with comprehensive record management. Also, being a Class I, II, and III compliant contract medical device manufacturer allows us to work with many OEMs to manufacture already engineered products and systems. To guarantee compliance with regulatory and customer specifications, CIRCOR utilizes sophisticated machinery and facilities, from CNCs to clean rooms, throughout the design, manufacture, and test of every product.

EXCELLENCE IN FLOW CONTROL

CIRCOR International is a market-leading, global provider of integrated flow control solutions, specializing in the manufacture of highly engineered valves, instrumentation, pumps, pipeline products and services, and associated products, for critical and sever applications in the oil and gas, power generation, industrial, process, maritime, aerospace, and medical industries.

We are a trusted engineering partner that contributes to your entire design cycle, from concept to production and sustainment.

For more information, please email us at sales_lifesciences@circor.com.

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