



CIRCOR Aerospace – New York

Heritage brand, Aerodyne Controls, was brought under the CIRCOR Aerospace aegis in 1999 and designs and manufactures high-quality pneumatic control components and systems for the aerospace, defense, medical, space, and alternative fuels markets. Critical system components are supplied such as pressure regulators on cold gas thruster systems, valve manifolds for pneumatic weapons ejection and flotation-recovery systems, and 10,000 PSI regulators for the next generation of automotive hydrogen fuel cells.

Mercury-free kinetic switches are designed and manufactured on site. Cockpit voice recorders and emergency lighting systems use CIRCOR impact switches. These switches are also designed into missile and rocket applications for the defense industry including fuzing, Safe and Arm, impact detection, spin, acceleration and separation. Small arms manufacturers also employ acceleration switches to count the number of times a weapon is fired. Medical instrumentation and space applications also utilize kinetic switches.

With the acquisition of Survival Engineering, CIRCOR Aerospace is a major supplier of inflation products for defense and commercial life rafts and marine evacuation systems. These products include lanyard and solenoid operated inflation valves, check and relief valves, and various hose assemblies.

CIRCOR Aerospace has the engineering capability to design and qualify fluid control products, kinetic switches and inflation system components to meet unique customer requirements, often using a proven Aerodyne product as the basis for the new design. CIRCOR Aerospace manages all aspects of the program from product design and development, to qualification and production in our lean, state of the art manufacturing facility.

PRODUCTS / SERVICES

- Pressure regulators
- Relief valves
- Butterfly valves
- Cryogenic valves
- Check valves
- Latching solenoid valves
- Custom pneumatic systems
- Mercury-free motion switches
- Weapons ejection/release
- Landing gear blow down
- Environmental pressurization

KEY PLATFORMS

- F-35 *Lightning II* (Joint Strike Fighter)
- MQ-9 *Reaper*
- Global Observer HALE UAV
- Standard Missile-3
- Stardust Comet Mission
- F-15 *Eagle*
- F-16 *Fighting Falcon*
- Space Shuttle
- Various FAA Safety Systems

QUALITY CERTIFICATIONS

- ISO 9001:2008
- AS9100:2009C
- NASA NHB5300.1C
- ANSI Z540.1

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