



Aerodyne Controls, a CIRCOR Aerospace company, designs and manufactures high-quality pneumatic control components and systems for the aerospace, defense, space, and alternative fuels markets. Aerodyne supplies critical components 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.

Aerodyne also designs and manufactures mercury-free motion switches. In the aerospace market, cockpit voice recorders and emergency lighting systems use Aerodyne impact switches. Weapons manufacturers use acceleration switches to count the number of times a weapon is fired. Also, medical instrument manufacturers include impact switches in their devices to detect mishandling of sensitive equipment.

With the acquisition of Survival Engineering, Aerodyne is now 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.

Aerodyne Controls has the engineering capability to design and qualify fluid control products, motion switches and inflation system components to meet unique customer requirements, often using a proven Aerodyne product as the basis for the new design. Aerodyne manages all aspects of the program from product design and development, to qualification and production in our lean, efficient 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 9001:2000
- AS9100:B
- NASA NHB5300.4(1c)
 - FAR 21.303 (h)
 - MIL-STD-45662A
 - ISO-10012-1
- FED-STD-209
- MIL-I-45208
- MIL-Q-9858A
- Boeing D6-82479

