Aircraft Noise Silencers: for APU, ECS and Main Engines

ITT has been designing and manufacturing a wide range of noise reduction products for over 40 years. We specialize in products that attenuate noise of Auxiliary Power Units (APU), Environmental Control Systems (ECS) and main engines. Contact us today to find out how we can solve your noise issues.

Products
- APU Inlet silencers
- APU Inlet plenums
- APU Exhaust systems and liners
- ECS trim air silencers
- ECS main ducting, feeder and riser silencers
- ECS flexible mufflers
- Engine inlet, bypass and exhaust noise suppression

Design Capabilities
- Acoustic analysis and custom designs
- Rigid and flexible ECS silencers
- Low and high temperature solutions
- Proprietary acoustic treatment materials
- In-house FEA acoustic analysis software
- Noise attenuation techniques:
  - ¼ wavelength cavity
  - Folded cavity
  - Impedance matching
  - Helmholtz resonator chamber

Design Features
- Low cost
- Low weight
- High reliability
- Specific frequency range and broadband solutions

ITT Aerospace Controls | 28150 Industry Drive | Valencia, CA 91355, USA
Phone: 661-295-4000 | Fax: 661-294-1750
Email: sales.aerospace@itt.com | Web: ecs.ittaerospace.com
Current Programs
- Boeing 787 APU Inlet
- ACAC ARJ 21 APU Inlet and Exhaust
- Bombardier CSeries APU Inlet and Exhaust
- Bombardier Q400 APU Inlet and Exhaust
- Embraer 135/145 APU Inlet and Exhaust
- Embraer 170/190 APU Inlet and Exhaust
- Embraer E2 170/190 APU Inlet and Exhaust
- Lear L-85 APU Inlet and Exhaust
- Mitsubishi Regional Jet APU Inlet and Exhaust
- C-17 ECS Silencers
- Cirrus Jet ECS Silencers
- Embraer Legacy 450/500 ECS Silencers
- Hawker 4000 ECS Silencers
- Hawker 950 XP ECS Silencers
- Hondajet ECS Silencers
- International Space Station ECS Silencers

Attenuation Materials
- Acousti-Flo® materials AF2.2, AF2.3, AF2.4, AF3.1, AF3.2, AF3.10
- Feltmetal
- Poroplate
- Perforated sheet metals
- Kevlar felts
- Absorptive foams

Structure Materials
- Metals
  - Inconel and super alloys
  - Corrosion resistant steels
  - Aluminum
- Resin systems
  - BMI, Phenolic, Epoxy
- Carrier materials
  - Fiberglass, Carbon, GraphitePolyester

AS9100 and ISO 9001 Certified
EASA Approved
FAA Approved Repair Station
Nadcap Welding Approved