

FELTMETAL™ Acoustic Media

PROVIDING SUPERIOR NOISE ATTENUATION SOLUTIONS

Technetics FELTMETAL™ acoustic media is an engineered, porous material made of sintered metal fibers. The fiber size, porosity and thickness of the media combine to control the acoustic impedance in critical aerospace applications.

Whether to satisfy FAA requirements or consumer demands, the attenuation of aircraft noise is a critical design consideration. Technetics' acoustic media interacts with sound waves to internally scatter the energy and diminish noise and is an integral component in all the primary aircraft manufacturers' acoustic treatment solutions.



BENEFITS

- High oxidation and erosion resistance
- High temperature materials for exhaust silencers
- Optimum performance through acoustical impedance matching
- Readily cleanable
- Low non-linearity factors
- Exceptional performance at high frequencies
- Corrosion resistance
- Reliable performance in wet conditions
- Ancillary moisture wicking benefits in ECS applications

DESIGN FEATURES

- Fiber diameters ranging from 8μ to 100 μ
- Formable for complex designs

OPERATING PARAMETERS

- Stainless steel for service temperatures up to 930°F [500°C]
- FeCrAlY for service temperatures up to 2000°F [1100°C]

APPLICATIONS

- ECS inlet silencer
- ECS ducting
- APU inlet ducting
- APU exhaust ducting
- Belly fairing inlet



WHO WE ARE

Technetics' products can be found on aircraft in virtually every segment of the aerospace market. We design and manufacture solutions for both fixed-wing and rotary-wing aircraft supporting a growing list of commercial and military platforms, as well as unmanned aerial vehicles and spacecraft. Our mission is to deliver engineered products that meet and exceed our customers' expectations for performance, quality, reliability and delivery.

SUPERIOR ENGINEERING CAPABILITIES

- **3D MODELING & FEA:** Technetics uses CAD software to design and develop sealing concepts, and facilitate efficient communication with our customers and supply chain partners.
- **QUALIFICATION/TESTING:** Extensive on-site static sealing, dynamic sealing and fluid sealing test capabilities combined with external testing partners' expertise to ensure product integrity and full conformity with design criteria.

STRONG SAFETY & QUALITY CULTURE

- **SAFETY:** The safety culture within Technetics places a relentless focus on creating a healthy work environment. Our safety framework is designed to eliminate all incidents associated with Technetics activities, products and services.
- **OPERATIONAL EXCELLENCE:** Our continuous improvement culture is focused on customer satisfaction and driving operational efficiencies across our businesses.
- **CERTIFICATIONS:** All our aerospace facilities hold AS9100 quality approval as well as a number of customer approvals.

DIVERSE AEROSPACE OFFERINGS



**FELTMETAL™
ACOUSTIC MEDIA**



BRUSH SEALS



**FELTMETAL™
ABRADABLE SEALS**



**ELASTOMER
SEALS**



BURST DISCS



**STATIC METAL
SEALS**



**PTFE TAPES
& FILMS**



**MECHANICAL
SEALS**



**EDGE-WELDED
METAL BELLOWS**

ESTABLISHED GLOBAL FOOTPRINT

Technetics has facilities around the globe, strategically located near our customers. Our pursuit of customer satisfaction ensures we provide responsive, timely assistance and outstanding technical support as well as on-time delivery.

