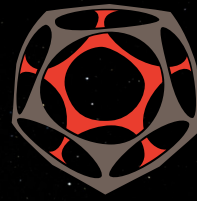


ENVIRONMENTAL & BIOLOGICAL CONTROL SYSTEMS



ERG
materials & aerospace

EXPERIENCE UNPARALLELED COMFORT & RELIABILITY

ERG's Environmental and Biological Control System (EBC System) is the state-of-the-art solution designed to elevate cooling performance, enhance air quality, and maximize operational efficiency.



Built to the Highest Standards

Military Grade Durability

Crafted with the highest-quality **Mil-Spec components**, ERG's EBC System delivers **exceptional durability** and **unmatched reliability** in the most demanding environments.

- **Rigorous DO-160 Testing** – Proven performance in extreme temperatures, humidity and vibration conditions
- **Engineered for Longevity** – Designed to support high-intensity missions with minimal maintenance

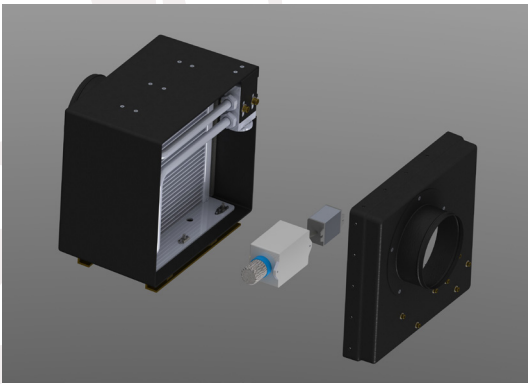
Exceptional Performance & Unmatched Reliability

Efficient Cooling & Advanced Airflow

The **EBC System** delivers precise temperature and airflow control for superior cooling. With calibrated brushless motors and high-efficiency evaporators, it reduces maintenance while enhancing reliability. A high-output condenser blower optimizes airflow, lowering power consumption and ensuring consistent, energy-efficient operation.

- **Seamless Adjustments** – Intuitive rotary control knobs allow effortless fine-tuning of temperature and airflow
- **Optimized Performance** – Advanced components ensure smooth operation with minimal power draw





Breathe Easy with Our “Clean Air” Package

Advanced Air Purification for a Healthier Cabin

ERG’s innovative **Clean Air Technology** actively purifies cabin air with advanced **ionization technology**, eliminating airborne contaminants for a healthier, fresher environment.

- **Whisper-Quiet Operation** – Ideal for medical transport, VIP flights, tour services, and high-risk passengers
- **Enhanced Air Quality** – Reduces bacteria, allergens, and odors for a more comfortable journey

Streamlined Installation & Maintenance

Designed For the User Experience & Ease of Maintenance

Designed with an **optimized layout** and **fewer components**, the **EBC System** cuts down on installation time and maintenance costs.

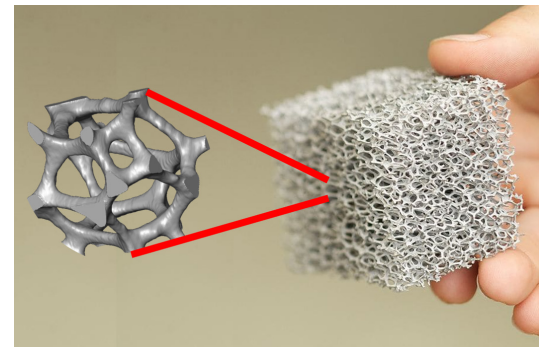
- **Faster Installation** – Reduced labor time for seamless integration
- **Maximize Uptime** – Minimal unscheduled maintenance with high-reliability components

Lighter & More Efficient

Revolutionary Metal Foam Heat Exchanger

Our patented **Duocel® Metal Foam technology** makes the **EBC System** **lighter, stronger, and more efficient** than conventional systems.

- **Impactful Weight Reduction** – Reducing aircraft weight improves fuel efficiency and allows for enhanced functionality of the aircraft
- **Uncompromising Durability** – Advanced materials ensure long-lasting performance



Upgrade to the EBC System today—enhanced performance, cleaner air, and seamless reliability await. With worldwide support, take your in-flight experience to new heights of comfort and dependability.



Ready To Transform Your Thermal Management Systems?

Partner with ERG Aerospace for innovative solutions that prioritize performance, sustainability, and integration.

DELIVERING PRECISION,
POWER, AND SUSTAINABILITY
IN THERMAL MANAGEMENT



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