ACA™
AVIATION CLEAN AIR

Cleaning the Air We Breathe in Flight

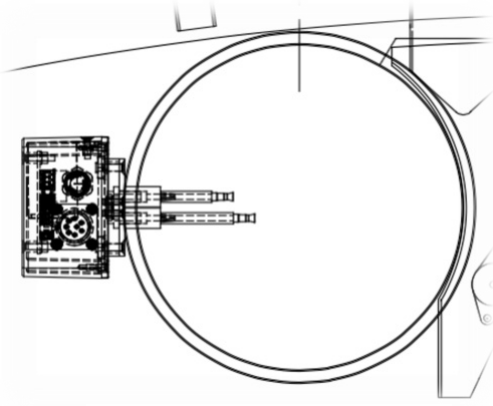
"Cleaning the Air We Breathe in Flight"

ACA technology is designed to purify and sanitized the air and surfaces on-board aircraft

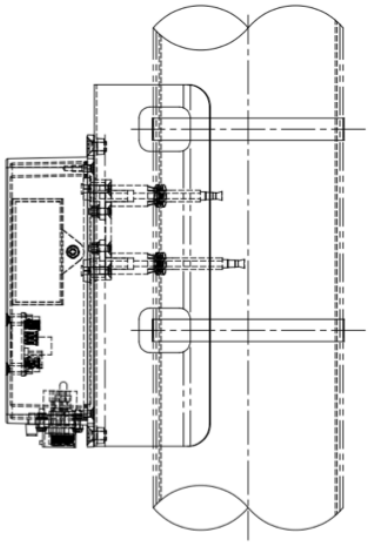
The air and surface purification technology offered by Aviation Clean Air (ACA) is a proactive component that can be added to an existing environmental control system. ***The ACA component is not a filter system;*** filtration systems are passive and mostly ineffective as they only collect the allergens and pathogens that find their way back to them, located somewhere in the mechanical area of the aircraft.

When air flows through the ECS ducts and into the cabin and cockpit, the ACA component removes existing odors, mold spores and allergens, proactively and rapidly. It also kills pathogens in the air and on surfaces where they sit throughout the aircraft interior including the cockpit, cabin, galley, lavatories and baggage areas. The ACA Component is effective floor to ceiling and wall to wall wherever the conditioned air reaches.

The component removes new odors caused by fuel emissions, as well as other VOCs generated by cooking, cleaning, stagnant air, cigarette/cigar smoke and many other sources. The ACA Component kills pathogens including, but not limited to, the common cold, flu of all types and variations, Covid 19, MRSA, C. diff, E. coli, M. terrae, pneumonia, and polio. A side benefit is that the system also controls static electricity within the the aircraft interior too. The technology is 100% green and works by duplicating and accelerating nature's cleaning process, with nothing else added, and No Ozone. The benefits are noticeable to crew and passengers in just seconds.



Installed Views



Contact us for more information today!

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Mechanical Specifications

Dimensions : 7.02"L x 3.27"W x 5.36"
With probes extended
Enclosure: Anodized Aluminum (Sealed)
Electrode Material: Carbon Fiber
Weight: 1.34 pounds (607 grams)
Temp. Range: -65°C / -85°F to +85°C/+185°F

Electrical Specifications

Voltage: 28 VDC (Range 18-32 VDC)
Current: 150 mA
Power: 4.2 Watts
Connection Type: MIL-C-26482, Series 2
Connector: 8 pin - MS-3470-L12-8-P
Pinout: A= 28 VDC, B = DC Common, C= Chassis Ground, D = Dry Contact Status Contact, E = Dry Contact Status, (F,G, & H not used)
Status: Continuity between pins D & E when unit is powered and no fault is present. If a fault occurs the Component is not powered, pins D & E will be open.

Testing

The ACA component has been fully tested and meets and/or exceeds requirements of RTCA DO-160.

The ACA component environmental condition and tests are applicable to all airborne vehicles both Fixed Wing and Rotary aircraft platforms.

Application

The ACA component can be installed in pressurized or non-pressurized environments up to 55,000 Ft Alt

STC's

Certification for numerous aircraft and helicopter, types and models are now available for installation of the ACA systems.

www.aviationcleanair.com

FAA PMA - 2017
Design and Utility Patents with others Pending.