BASF
We create chemistry

BASF Aerospace Materials

Deoxo™ Fuel Tank Inerting System / On-Board Inert Gas Generating System (FTIS/OBIGGS) Catalytic Ozone Converter

The air separation system for FTIS/ OBIGGS is a safety feature for commercial aircraft mandated by the Federal Aviation Administration (FAA).

FTIS/OBIGGS use an Air Separation Module (ASM) to separate nitrogen from the air. The nitrogen is blanketed over the fuel in the tank to lower the risk of explosions. FTIS/OBIGGS require an ozone converter to protect the membrane inside the ASM from decomposition by ozone.

Commercial and military aircraft can be equipped or retrofitted with BASF's Deoxo™ FTIS/OBIGGS catalytic ozone converter.

Deoxo™ FTIS/OBIGGS Catalytic Ozone Converters Offer:

- ✓ The highest protection for air separation membranes inside the FTIS/OBIGGS.
- ✓ Low weight and pressure drop.
- ✓ Easy installation and removal.
- ✓ Cost-effective maintenance.

A Proven Solution

After millions of flight hours in-service, BASF Deoxo™ ozone converters have exhibited superior catalyst life, durability, and cost-effective maintenance.

World-wide MRO Service

BASF offers competitive pricing for functional evaluation, maintenance, and repair services. BASF's worldwide service couples industry leading quality with short lead-times. BASF's repair services can increase the life of ozone converters to decrease total cost-per-hour over the service life of an aircraft.

About Us

BASF's Catalysts division is the world's leading supplier of environmental and process catalysts. The group offers exceptional expertise in the development of technologies that protect the air we breathe, produce the fuels that power our world and ensure efficient production of a wide variety of chemicals, plastics and other products, including advanced battery materials. By leveraging our industry-leading R&D platforms, passion for innovation and deep knowledge of precious and base metals, BASF's Catalysts division develops unique, proprietary solutions that drive customer success.

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Visit us at:
www.catalysts.basf.com/deoxo

Contact us today

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In 1980, FAA AC-120-38 was released mandating that aircraft cabin ozone levels cannot exceed 0.25 ppm above FL-320, and 0.10 ppm above FL-270 as a time weighted average for all flight segments longer than 4 hours. Ozone concentrations in excess of these levels can result in serious health issues including pulmonary distress, sinus pain, chest pain, fatigue, and dizziness.

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