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# BASF Aftermarket Services for Deoxo™ Ozone Converters

MRO by the OEM... the  
Smart Choice



# Maintenance, Repair & Overhaul (MRO) Service for Deoxo™ Ozone Converters

Fully Compliant, Reliable and Proven Ozone Converter Regeneration Service

BASF has developed proprietary processes that remove contaminants responsible for reduction in catalytic activity. No other processes can restore the catalyst to “like-new” condition. The BASF proprietary process can be performed multiple times without compromising catalyst core integrity.

## Catalyst Durability

In general, catalysts have a long lifetime. However, air stream contaminants can deposit on the catalyst surface reducing catalytic activity over time. Sulfur, phosphorous, and silica-bearing compounds are the prime contaminants responsible for this reduction.

## Converter Repair

After decades of research, BASF developed a chemical cleaning process that removes masking agents without deteriorating the catalyst substrate or ozone conversion efficiency. BASF can replace catalyst cores, returning the units to “zero-time” efficiencies, utilizing original BASF catalyst products.

## Effects of Cleaning on Contaminants

Contaminant	Deposition before cleaning	Deposition after cleaning
Sulfur	0.25%	0%
Phosphorous	0.50%	0%
Silica	1.50%	0%

## Only BASF's MRO Service:

- ✓ Is from the original engineering, design and manufacturing company of Deoxo™ ozone converters.
- ✓ Performs all repairs at the same facility where the OEM converters are manufactured in Huntsville, Alabama, USA.
- ✓ Can overhaul to meet as-new specifications.
- ✓ Is fully compliant with FAA, EASA, CAAC, Far145, OSHA, and REACH regulatory requirements.
- ✓ Can ensure Deoxo™ converters operate at the highest efficiency and for the flight hours prescribed in the aircraft manufacturer CMM.
- ✓ Performs maintenance to restore the mechanical integrity to meet the CMM requirements.

## Avoid Unnecessary Risk

Other repair stations make performance claims that are not validated according to aircraft OEM specifications. As a result, your ozone converters run the risk of:

- Being out of warranty by the manufacturer
- Reduced durability in meeting flight hour requirements

# Aircraft Cabin Ozone Converters

The air at high altitude contains significant levels of ozone. If left unchecked, atmospheric ozone enters aircraft through air conditioning ducts. Ozone exposure is known to cause adverse health effects including headaches, fatigue, shortness of breath, chest pains, coughing, and irritation of the eyes, nose or throat. BASF is the leading supplier of ozone removal systems for aircraft OEMs. BASF's Deoxo™ offerings can help maintain a healthy cabin environment and provide improved comfort for passengers, pilots and flight attendants.

## Deoxo™ Ozone Converters

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

Deoxo™ Ozone Converters offer:

- ✓ Superior catalyst life.
- ✓ Excellent durability.
- ✓ Low weight and pressure drop.
- ✓ Easy installation and removal.
- ✓ Cost-effective maintenance.

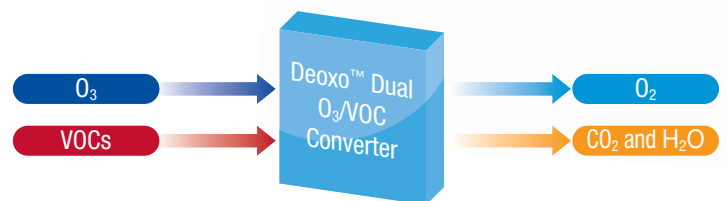
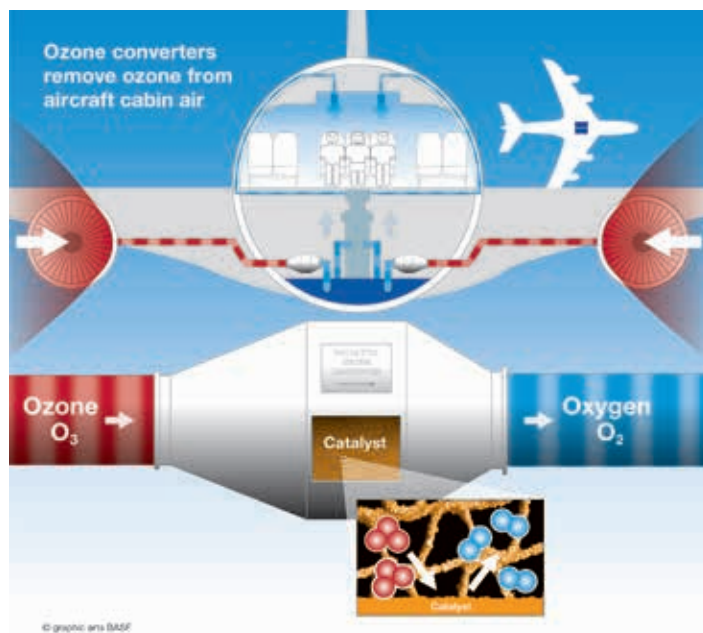


## Deoxo™ Dual Ozone/VOC Converters

BASF offers technology to reduce both harmful ozone and Volatile Organic Compounds (VOC) in aircraft cabin air. This technology improves air quality by removing certain hydrocarbon compounds responsible for unpleasant odors.

Deoxo™ Dual Ozone/VOC Converters:

- ✓ Ensure a pleasant & healthy cabin environment.
- ✓ Have no detrimental effect on pressure drop when compared to an ozone-only converter.
- ✓ Can be an upgrade over an ozone-only converter or as a stand-alone unit.
- ✓ Are economical & dependable.
- ✓ Are easy to install.





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### World-wide 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.

### Select BASF for Peace of Mind

As a supplier offering both OEM converters and MRO services, BASF knows more than anyone else how to optimize converter performance. Our team also leverages BASF's proven global catalysis expertise, best practices, and procedures. With BASF, you can count on working with a proven MRO Service provider that ensures converter integrity at every level.

Want to learn how to reduce risk to your airline and work with a proven leader in catalysis? Simply contact BASF's MRO Service team at [aircraft.cleanair@basf-catalystsmetals.com](mailto:aircraft.cleanair@basf-catalystsmetals.com).

### 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.

## BASF – We create chemistry

Visit us at:

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