

BREATHE EASIER REDUCE ODORS TO IMPROVE CABIN AIR

Fourth-Generation Combined Hydrocarbon and Ozone Catalyst (CHOC4).

PASSENGERS CRAVE A BETTER-SMELLING CABIN

Airline passengers want to travel in a cabin free from the odors that sometimes accompany the air-travel experience – like smells of jet fuel, oil, deicing agents and engine exhaust.

Odors can undermine passenger confidence, affect comfort, and even cause nausea, headaches or dizziness. They can also cause operational disruptions like unscheduled maintenance, return-to-gate incidents, and on-time performance issues, delays and cancellations. Odor-related disruptions are estimated to cost airlines more than \$50 million per year, industry wide, with an impact of up to \$1.7 million per operator.

HONEYWELL HAS THE ANSWER FOR 'SMELL IN CABIN' PROBLEMS

The key to solving the age-old “smell in cabin” problem is to do a better job of removing the volatile organic compounds (VOCs) and oil particulates that can cause unpleasant cabin odors.

Honeywell’s fourth-generation Combined Hydrocarbon and Ozone Catalyst (CHOC4) is the answer Airbus A320 operators have been seeking. Unlike other options, CHOC4 technology achieves effective odor control by removing both VOCs and oil and converting them to odorless byproducts.

Depending on temperature, CHOC4 removes as much as 80-90% of the VOCs found in the bleed air introduced to the aircraft cabin during flight and about 50% of VOCs when the aircraft is on the ground, while continuing to meet or exceed ozone conversion requirements.

Most other dual-function converters remove less than 30% of odors, while conventional ozone converters do not address the problem at all.

Honeywell offers CHOC4 as an upgrade to current ozone converters during maintenance. The recore operation replaces the existing core with a new

CHOC4 RECORE FEATURES

- STC upgrade of existing ozone converters
- Eliminates up to 90% of VOCs
- 3X more efficient at removing VOCs related to unwanted odors
- Can be installed during regular overnight service
- Recoring can be completed in 14 days or less
- Available now for Airbus A320 operators

offset-fin matrix infused with Honeywell’s proprietary catalyst. The recoring process improves the converter’s odor-removal effectiveness by almost three-fold and extends its service life considerably.

The Honeywell CHOC4 solution is a drop-in upgrade with minimal disruption to ongoing operations. The recore procedure can be completed in 14 days or less and the installation of the unit can be performed during regular overnight service. The upgrade does not impact the existing Instructions for Continued Airworthiness (ICA) nor any existing Aircraft Maintenance Manuals (AMM).

For more information

To find out more about Combined Hydrocarbon Ozone Catalyst (CHOC4), please click [here](#).

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