

A photograph of an Airbus aircraft cabin interior. The image shows a window on the left with a view of a bright sky and clouds. The window frame has the word 'AIRSPACE' printed on it. To the right of the window are several rows of seats with light-colored headrests. The headrests also have the word 'AIRSPACE' printed on them. The overall lighting is soft and blue-toned.

Clean air on board

How Airbus keeps cabin air free from virus and bacteria

May 2020

AIRBUS

Conditioned, filtered, fresh air for a safe and healthy flight

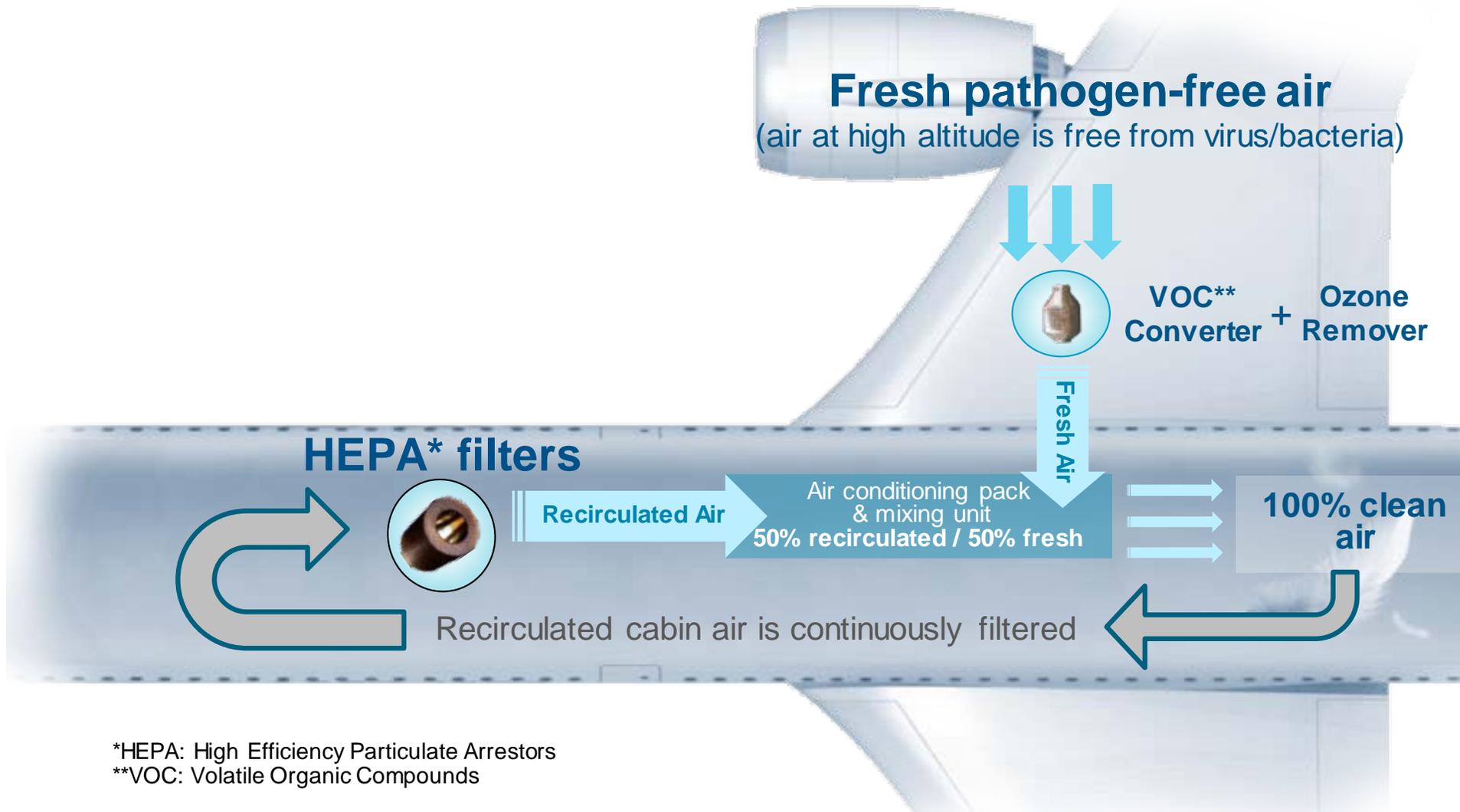


Advanced filtration

The air is fully renewed every 2-3 min

HEPA filters remove more than 99.9% of particles, virus and bacteria

Hospital-grade air filtration



*HEPA: High Efficiency Particulate Arrestors

**VOC: Volatile Organic Compounds

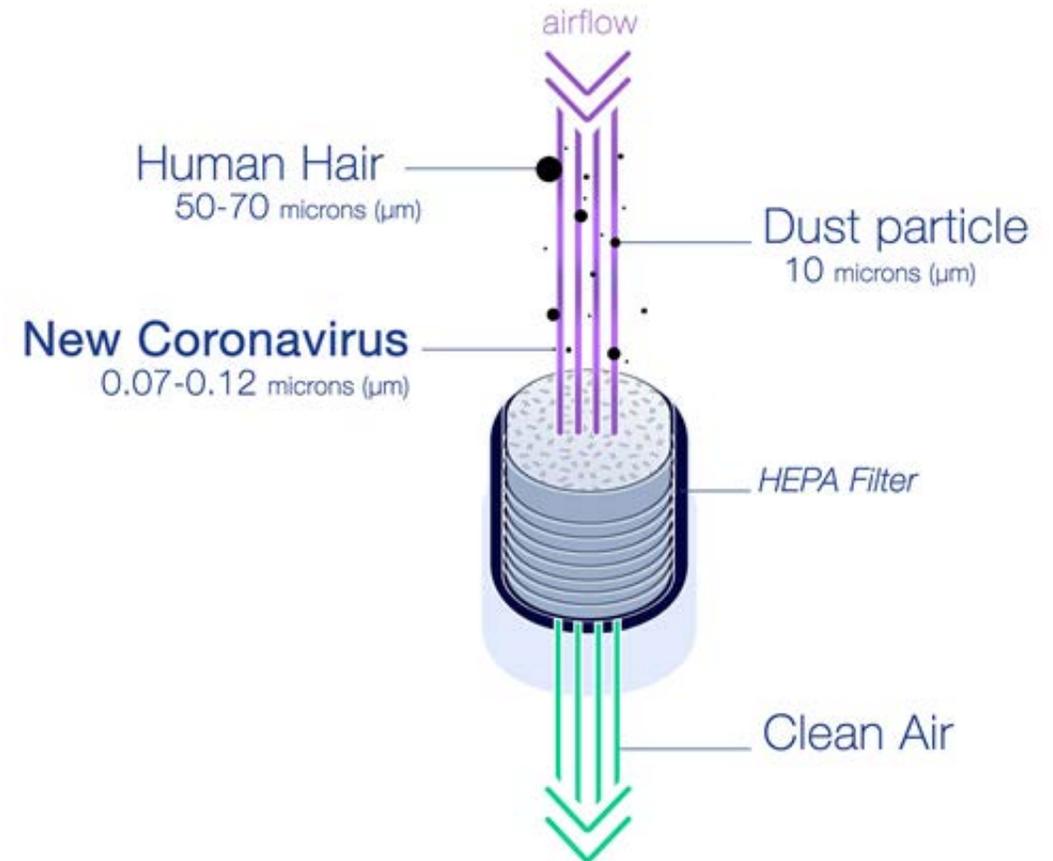
HEPA Filtration: hospital-grade efficiency

HEPA filters capture **more than 99.9%** of particles, including viruses and bacteria

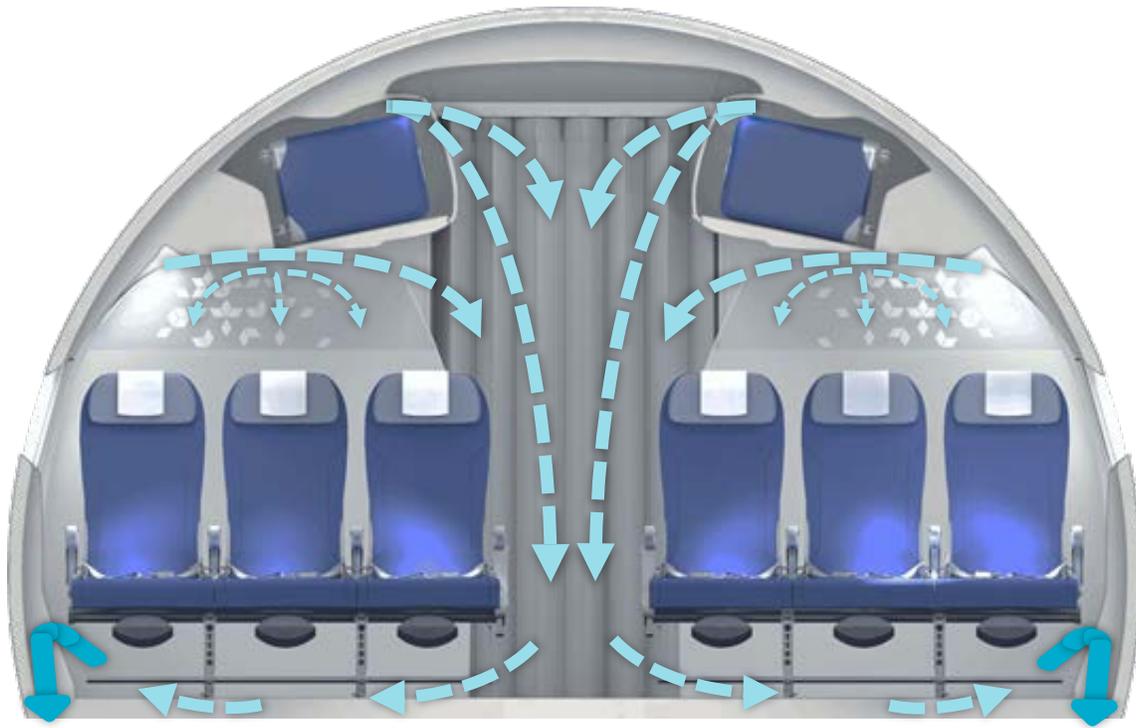
HEPA filters use different filtration methods addressing different particle sizes

Small particles like **Coronavirus** are **captured** in the HEPA filter

Similar filters are used in hospitals



The cabin air supply is virus-free



Optimised **top-to-bottom airflow** patterns
Avoiding spread of virus/bacteria



Cabin air
continuously renewed
every 2-3 minutes

(hospitals≈10min, offices≈20min)



Well-positioned air inlets &
outlets: **efficient cabin air**
distribution



**Fresh &
clean air by
design**

The **air** is fully
renewed every
2-3 min

Flow patterns limit
air mixing along the
cabin

Lavatory and galley
air is directly
exhausted outside

AIRBUS

Let's look at how the cabin air system works (video)



AIRBUS

© AIRBUS (Airbus S.A.S., Airbus Operations S.A.S., Airbus Operations GmbH, Airbus Operations LTD, Airbus Operations SL, Airbus China LTD, Airbus (Tianjin) Final Assembly Company LTD, Airbus (Tianjin) Delivery Centre LTD). All rights reserved. Confidential and proprietary document. This document and all information contained herein is the sole property of AIRBUS. No intellectual property rights are granted by the delivery of this document or the disclosure of its content. This document shall not be reproduced or disclosed to a third party without the express written consent of AIRBUS S.A.S. This document and its content shall not be used for any purpose other than that for which it is supplied. The statements made herein do not constitute an offer. They are based on the mentioned assumptions and are expressed in good faith. Where the supporting grounds for these statements are not shown, AIRBUS S.A.S. will be pleased to explain the basis thereof. AIRBUS, its logo, A220, A300, A310, A318, A319, A320, A321, A330, A340, A350, A380, A400M are registered trademarks.

AIRBUS