Aire limpio a bordo (Clean Space on board)
Cómo Airbus mantiene el aire de la cabina libre de virus y bacterias

Mayo 2020
Conditioned, filtered, fresh air for a safe and healthy flight

Fresh pathogen-free air
(air at high altitude is free from virus/bacteria)

HEPA* filters

Recirculated Air
Air conditioning pack & mixing unit
50% recirculated / 50% fresh

100% clean air
Recirculated cabin air is continuously filtered

VOC** Converter + Ozone Remover

*HEPA: High Efficiency Particulate Arrestors
**VOC: Volatile Organic Compounds

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 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