

May 26, 2020  
Peach Aviation Limited

## Cabin Ventilation Ensuring Onboard Health and Safety

- **Peach adopts high-performance filters equivalent to or better than those for operating rooms and sterilized rooms.**
- **Cabin air is replaced approximately every three minutes to maintain constant cleanliness.**
- **Airflow circulates from above the head down to the floor.**

Today, Peach Aviation Limited (“Peach,” Representative Director and CEO: Takeaki Mori) published a special page dedicated to our aircraft ventilation.

Special page for airflow circulation : <https://www.flypeach.com/information/jp/air-circulation/> (Japanese only)

Peach has adopted high-performance HEPA filters\*1 for the air-conditioning systems on all of our aircraft to ensure that air cleanliness is always maintained in the cabin. The high-performance HEPA filters adopted by Peach are designed to collect 99.99% of airborne contaminants down to 0.3 microns\*2, and afford a superior filtration capability to HEPA filters used on many other aircraft (which are rated to collect 99.97% of airborne contaminants of 0.3 microns or more), and are equivalent to or better than the HEPA filters used in operating rooms, which require rigorous air-conditioning systems to prevent infection, or sterilized rooms. Also, the International Air Transport Association (IATA) announced that “HEPA filters used in aircraft have similar performance to those used to keep the air clean in hospital operating rooms, resulting in a lower risk of infection than other confined spaces.”

Fresh air is drawn into the cabin via an external engine. Air in the cabin is circulated after filtering out at least 99.99% of any airborne contaminants through a HEPA filter. Fresh air is drawn in from outside, and the air in the cabin is continuously discharged outside, such that the air within the cabin is completely replaced every three minutes using this system.

Moreover, cabin air constantly flows downward from the ceiling to extractors below the seat, so the air does not move around the cabin, backwards or forwards, left or right, or stagnates in any area. In addition to these characteristics of the internal air circulation, passengers do not sit face-to-face onboard, thus reducing the risk of infection from virus droplets.

### < Cabin Airflow >

- ① Fresh air is drawn into the cabin from outside via an engine.
- ② Cabin air is only circulated after filtering out at least 99.99% of all airborne contaminants via HEPA filters.
- ③ Airflow circulates in the cabin from above the head down to the floor and discharged outside.
- ④ Fresh air is continuously drawn in from outside, and the cabin air is constantly replaced approximately every three minutes.

In addition to advanced cabin ventilation, Peach takes various measures to ensure our customers’ safety, such as thorough sterilization of the cabin, and requiring all cabin attendants to wear masks and gloves. Please check the special page for further details.

Special page (**Flight Handling in Response to Pneumonia Linked to New-type Coronavirus**) :

[www.flypeach.com/en/news/20200130](http://www.flypeach.com/en/news/20200130)

\*1: High-Efficiency Particulate Air (HEPA) Filter

\*2: "N95 masks" for medical use can also filter out airborne contaminants down to 0.3 microns.