



Elevator Purification Fan

**Purify the air in
your elevator**

OTIS

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Elevator Purification Fan

You can now retrofit your elevator with a fan that can effectively inactivate microorganisms and filter dust within the cab¹.

The fan integrates an anion generator and ultraviolet lamp to kill germs and inactivate microorganisms.

>99.73%
Purification Rate

>94%
Inactivation Rate

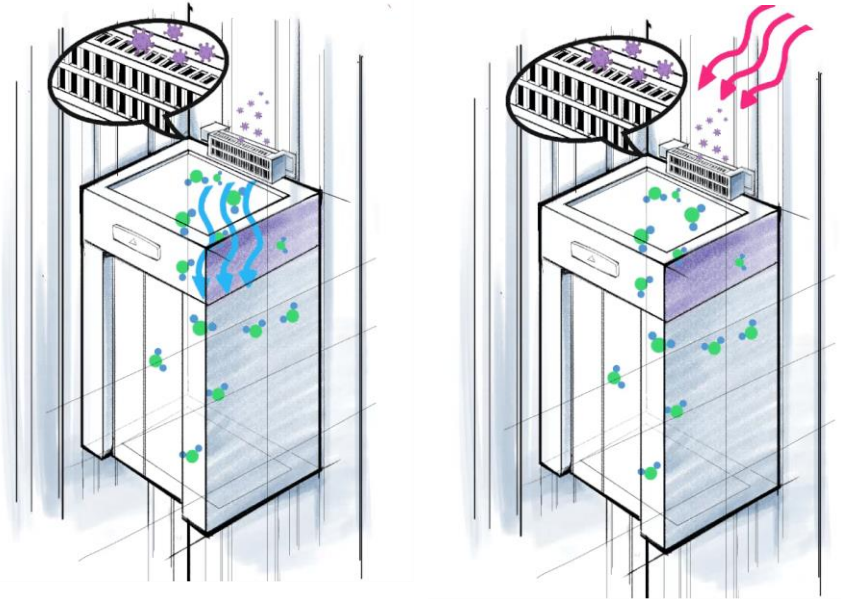
$4 \times 10^7 / \text{cm}^3$
Anion Concentration

$\leq 0.037 \text{mg} / \text{m}^3$
Ozone Concentration

¹ Certified by Guangdong Detection Center of Microbiology.
None of the laboratory testing above targets SARS-CoV-2 or any other viruses.

How does it work?

The purification fan works by extracting air from the elevator hoistway, purifying the air using the anion generator and ultraviolet lamp, and then blowing the air into the elevator.



Test results

The following test results have been certified by Guangdong Detection Center of Microbiology.

Key parameters	Test results*	Notes
PM2.5 particle purification rate	>99.73%	Certified by Guangdong Detection Center of Microbiology according to APIAC/LM 01-2015 "Evaluation Requirements for Purification Performance of Indoor Air Purifier." Test was performed on 1m ³ volume over 2 hours.
Inactivation rate	>94%	Certified by Guangdong Detection Center of Microbiology according to "Technical Code for Disinfection" of the Health Ministry of China, tested against strains of E. coli, S. Aureus, and S. Albus after 1 hour of operation on a surface one meter from the product, measured individually versus control.
Anion Concentration	4x10 ⁷ /cm ³	Certified by Guangdong Detection Center of Microbiology based on reading of air anion meter 5cm from exhaust.
Ozone Concentration	≤0.037mg/m ³	Certified by Guangdong Detection Center of Microbiology according to GB 21551.3-2010 "Antibacterial and Cleaning Function for Household and Similar Electrical Appliances—Particular Requirements of Air Cleaner" at 5cm from exhaust.