

CORDLESS

For measures to prevent cluster infection

UV-C Sterilization Air Purifier

CSUVC-AP35



- Sterilization by UV-C (deep ultraviolet rays); inactivating COVID-19
- Purify the indoor air by filtering dust, pollen, mites, etc. with a three-layer filter
- Easy operation with touch buttons
- **Cordless:** Can be used with the built-in battery even in places where there is no power supply

What is UV-C sterilization?

It refers to a light source that sterilizes by irradiating deep ultraviolet rays (UV-C) with strong bactericidal power and damaging the DNA of bacteria and viruses floating in the air.

Excellent bactericidal effect

Equipped with a 100mW high-power LED chip* at a deep ultraviolet wavelength (275nm) that has a high bactericidal effect, it demonstrates a strong bactericidal effect.

* Inactivates more than 99% of coronavirus by irradiation for 1 second at a distance of 2cm

Test Virus : COVID-19 Virus (Virus name = SARS-CoV-2)

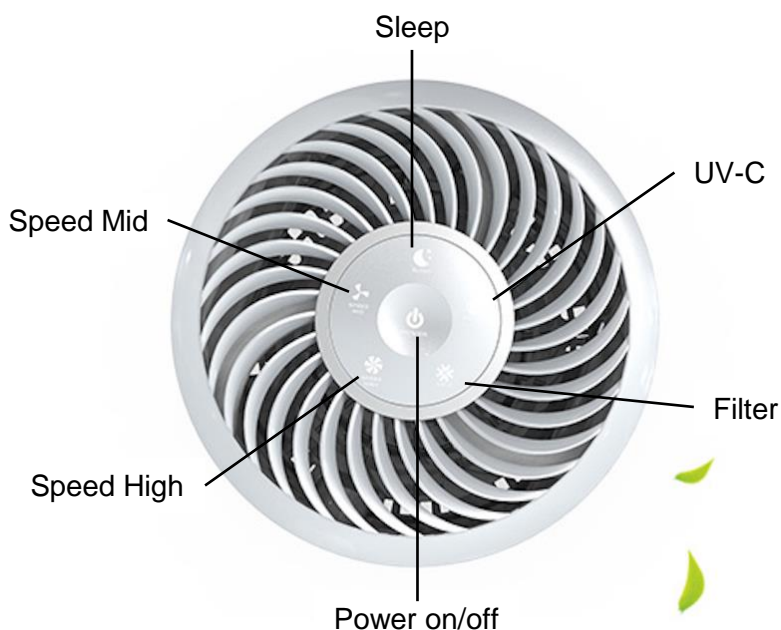
1. Sample pretreatment : Took the glass as the carrier. During the test, the bacterial sheet was placed 2cm away from the UVC lamp and acted for 1s,3s,5s.

2. Test Result

Test Virus	Distance	Test Group	Average cfu of positive controls (cfu/piece)	Average cfu of testing groups (cfu/piece)	Killing rate (%)	Sterilization logarithm
COVID-19 (SARS-CoV-2)	2 cm	1 sec	2.15×10^7	70	99.437	2.250
		3 sec	2.15×10^7	75	99.739	2.583
		5 sec	2.15×10^7	70	99.823	2.751



- 1 Fine Preliminary Filter DUST
PARTICULATES
HAIR
- 2 HEPA H13 Filter PM2.5
POLLEN
MITES
- 3 Activated Carbon Filter HCHO
VOC
HARMFULGAS



SPECIFICATIONS

Product	UV-C Sterilization Air Purifier
Model	CSUVC-AP35
Power	35W
UV-C LED	UVC 275nm (LM1HQMC) * 4 + UVA 365nm * 2
UVC power	100mW/cm ² (per LED)
bactericidal effect	99.4% inactivation of coronavirus by UV-C irradiation (distance 2 cm) for 1 second
Area	< 30m ²
Battery	Can be used for about 2 hours with the built-in battery (when fully charged) Charging time: 4 hours (When the AC adapter is connected, it will be in charging mode until it is fully charged.)
Size	Φ205mm × 385mm
Weight	2.8kg

IMPORTANT WARNING!

This UVC lamp emits very strong UVC rays, and it's very dangerous! So never look directly at UVC light or expose it to your skin, even for a moment! It causes serious damage such as blindness and burns!

PEJ
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