

ECOLINK

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Air Purifier with UV-C technology

The clean & fresh air your family deserves



@signify

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It's time to breathe healthy

Clean air is a necessity for a healthy life. However, indoor air pollutants like fine particulate matter, dust mites, microscopic viruses and bacteria have been known to cause a wide variety of adverse health effects, including several diseases, headaches and respiratory disorders. Hence it becomes all the more important to have a safe haven where you can breathe in pure air.

Introducing Air Purifier with UV-C technology

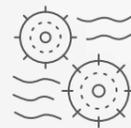
Dangers in the air we breathe:



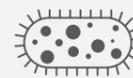
High levels of PM2.5



High levels of pollution



India fairs poorly on the Global Air Quality Index ratings



Microscopic bacteria & viruses



Toxic pollutants



Dust mite allergens



21 out of the 30 most polluted cities in the world are in India



Children and elderly are more susceptible to respiratory disorders caused by poor air quality



"SARS-CoV-2* may also spread through aerosols in the absence of aerosol-generating procedures, particularly in indoor settings with poor ventilation."

— World Health Organisation*

*<https://www.who.int/news-room/commentaries/detail/transmission-of-sars-cov-2-implications-for-infection-prevention-precautions>

Air Purifier with UV-C technology

Advantage

UV-C disinfection chamber effective against:



SARS-CoV-2*



Viruses & bacteria**

HEPA filter removes:



Viruses & bacteria



Pet dander



Mold spores



Pollen



Dust mite allergens



Household dust



Outdoor pollution

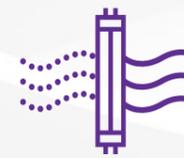
Covers an area of up to 590 sq.ft.^[1] Purifies a standard room^[2] in just **1** minutes, with a CADR of 380m³/hr

1. For the large size purifier. 2. Standard room size 215 sq.ft.



User-friendly interface & ease of maintenance

One-button control with visual interface and simple process for maintenance and replacement of filters and UV lights at home.



UV-C disinfection unit

Inactivates airborne pathogens - including SARS-CoV-2* by more than 99.9%*.



HEPA Filter protection

The global standard of air purification. Removes any dust, pollen, mold, bacteria, and any airborne particles with a size of 0.3 microns (µm).

2 in 1 Purifies & Disinfects

*Proven to be effective against SARS-CoV-2.

In a study conducted by the National Emerging Infectious Diseases Laboratories (NEIDL) at a laboratory in Boston University, Signify's UV-C light sources irradiating the surface of a material inoculated with SARS-CoV-2 reduced the virus infectivity to below detectable levels in under 9 seconds for dried virus and 4 seconds for wet virus.

**Based on tests conducted at Intertek India Pvt. Ltd., a global assurance, testing, inspection and certification agency, the Ecolink Air Purifier With UV-C Technology, demonstrated a killing rate of >99.95% in 30 mins and >99.99% in 2 hours for the tested organisms like Staphylococcus Aureus, Escherichia Coli, Aspergillus Niger and Coliphage (MS2) Bacteriophage in a test chamber of 12ftx12ftx9ft

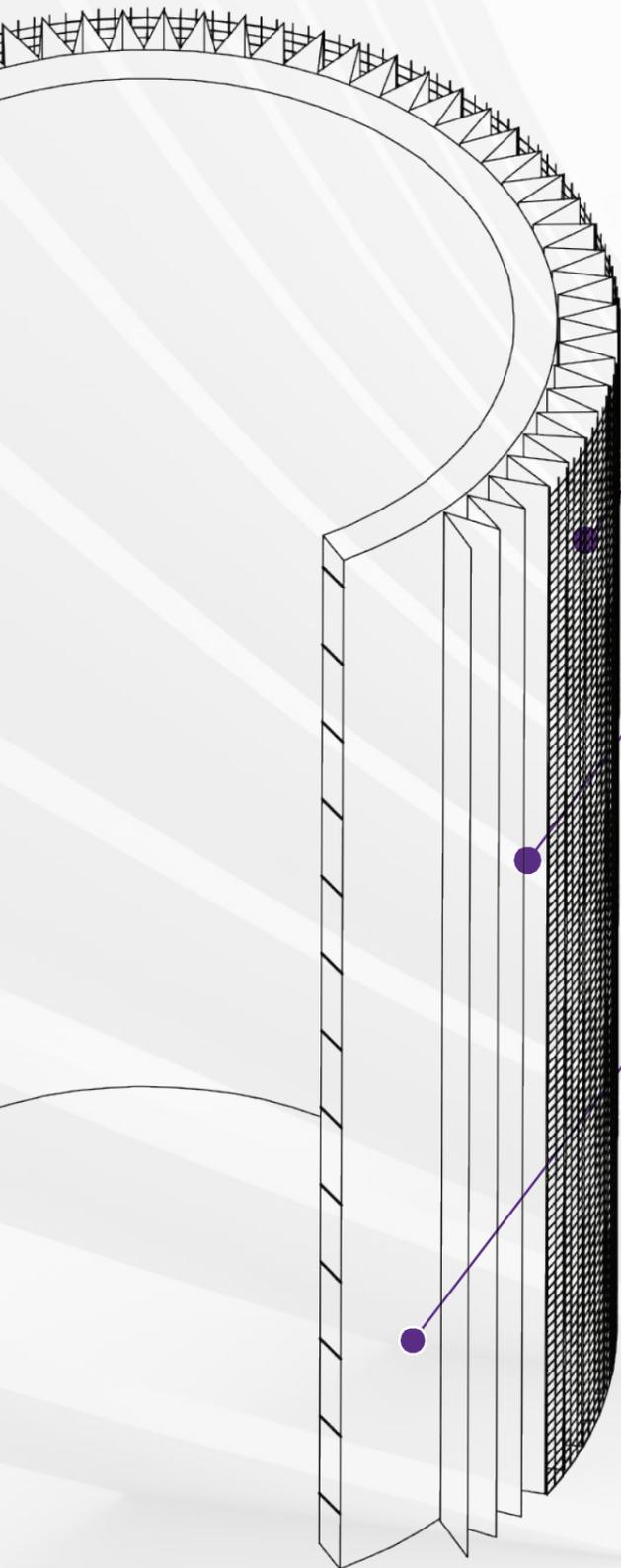
Air Purifier with UV-C technology



Disinfects air by >99.95% in 30 mins and >99.99% in 2 hours[1]

[1] Based on tests conducted at Intertek India Pvt. Ltd., a global assurance, testing, inspection and certification agency, the Ecolink Air Purifier With UV-C Technology, in a test chamber of 12ftx12ftx9ft demonstrated a killing rate of >99.95% in 30 mins and >99.99% in 2 hours for the tested organisms like Staphylococcus Aureus, Escherichia Coli, Aspergillus Niger and Coliphage (MS2) Bacteriophage

HEPA filter



Pre-Filter

Removes dust and condensed fumes, Human Hair and Animal Fur, Paper, Wood and other tiny particles, plant fibres like Pollen and Cotton.

H12 HEPA Filter

99.97% of all particles of $0.3 \mu\text{m}$; 99.5% of all particles $>0.1 \mu\text{m}$. HEPA filters capture pollen, dirt, dust, moisture, bacteria ($0.2\text{-}2.0 \mu\text{m}$), virus ($0.02\text{-}0.3 \mu\text{m}$), and submicron liquid aerosol ($0.02\text{-}0.5 \mu\text{m}$).^{[1][2][3]}

Carbon Foam

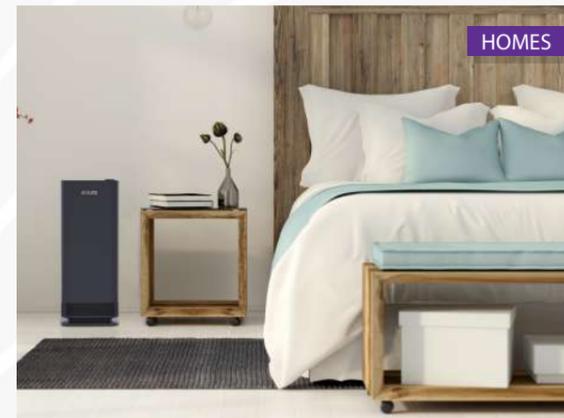
Sponge base material + activated carbon absorption material (removes Benzene, TVOCs and other harmful gases), filters the peculiar smells (bad odours).

[1] Godoy, Charlotte; Thomas, Dominique (2020-07-02). "Influence of relative humidity on HEPA filters during and after loading with soot particles". *Aerosol Science and Technology*. 54 (7): 790–801. Bibcode:2020AerST..54..790G. doi:10.1080/02786826.2020.1726278. ISSN 0278-6826. S2CID 214275203. Archived from the original on 2021-05-16. Retrieved 2021-03-04.

[2] Payet, S.; Boulaud, D.; Madelaine, G.; Renoux, A. (1992-10-01). "Penetration and pressure drop of a HEPA filter during loading with submicron liquid particles". *Journal of Aerosol Science*. 23 (7): 723–735. Bibcode:1992JAerS..23..723P. doi:10.1016/0021-8502(92)90039-X. ISSN 0021-8502. Archived from the original on 2021-05-16. Retrieved 2021-03-05.

[3] Schentag, Jerome J.; Akers, Charles; Campagna, Pamela; Chirayath, Paul (2004). *SARS: CLEARING THE AIR*. National Academies Press (US). Archived from the original on 2021-01-05. Retrieved 2021-03-04.

Applications of Air Purifier with UV-C technology



Specifications

Product	Large – UVCA220	Medium – UVCA120	Small – UVCA020
Size (H*L*W) Weight (kg)	700x280x280 7.3 Kg	560x235x235 5.4 Kg	300x170x170 3.5 Kg
Operational input voltage	100V-300V	100V-300V	100V-300V
Input frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Wattage (max)	90W ±10%	53W ±10%	25W ±10%
UV-C lamp power	4*16WTL-mini	4*11WTL-mini	2*9W PLS
CADR value	380 m ³ /h ±10%	220m ³ /h ±10%	80m ³ /h ±10%
Area cleaning coverage area	upto 590 sq. ft	upto 330 sq. ft	upto 120 sq. ft
HEPA filter	H12	H12	No
Purification particle	PM2.5	PM2.5	N/A
Control	Button	Button	Touch panel (on/off)
Time setting	1-16 hours, step length 1 hour	1-16 hours, step length 1 hour	No
Wind speed	3 steps	3 steps	1 step
Lamp - useful life Ballast switch times	9000 hrs 6000	9000 hrs 6000	9000 hrs 1500
Noise level at highest speed	≤65dB(A)	≤60dB(A)	≤55dB(A)
Housing material	UV stabilized plastic	UV stabilized plastic	UV stabilized plastic
Anti cleaning panel - lifetime	20K hrs	20K hrs	20K hrs
Surge (L/N)	1kV	1kV	1kV
Ozone free	Yes	Yes	Yes
UV-C lamp maintenance	Yes	Yes	Yes
Indicator for lamp maintenance	Yes	Yes	Yes
Lamp failure indicator	Yes	Yes	Yes
RoHS/reach	Yes	Yes	Yes
UVC exposure protection <small>(lamp function only when door is closed)</small>	Yes	Yes	Yes
Air quality moitoring	Yes	Yes	No
Ambient temperature monitoring	Yes	Yes	No
Filter replacement indicator	Yes	Yes	Yes