MOLEKULE

PECOAir purifier



Moonlight | Desert | Fog

Science-backed pollutant destruction

Discover the only purifier to understand your air while breaking down pollutants at the molecular level. HEPA filtration combined with Photo Electrochemical Oxidation (PECO) technology protects you from a wider range of pollutants than traditional purifiers, while air readings in the app show you the proof.

PECO technology destroys the widest range of pollutants compared to conventional air purifiers.



Formaldehyde
tobacco smoke



DNA viruses
throughout nature



Black mold
bathrooms, window frames, inside pillows



Pet dander
carpets, floors



D-limonene
citrus-scented cleaners



Bacterial spores
spoiled food, bathrooms, kitchens



SARS-CoV-2
severe acute respiratory syndrome coronavirus 2



Pollen
windows, doors, carpets



Staphylococcus
skin, mucous membranes, soil



Benzene
detergent



Dust mite allergens
mattresses, blankets, pillows



Ethyl acetate
nail polish remover



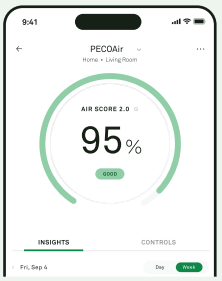
Cockroach allergens
trash cans, cupboards, cabinets



Acetone
varnish off-gassing

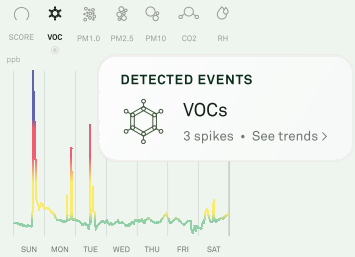
Scientifically *better* air™

molekule.com
allergy@molekule.com



App-controlled air health

View live pollutant readings, historic air data, and control all your Molekule devices right from the palm of your hand.



Air Agent assistant

AI-powered analytics of sophisticated pollutant sensors turn data readings into actionable insights to improve your air quality.



NearSilent™ operation

High clean air delivery rates make a big difference. Low noise levels make sure that difference is felt more than it's heard.

Download on the App Store | ANDROID APP ON Google play

Rev 2812_A

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THE PECO DIFFERENCE

A more *destructive* purification.



PECO technology uses a proprietary nanocatalyst to destroy pollutants at the molecular level.

UV-A light energizes the catalyst, initiating a chemical reaction that generates hydroxyl radicals.

These highly reactive free radicals break down airborne organic pollutants—including VOCs, viruses, bacteria, mold, allergens, and odors—leaving behind harmless trace elements like carbon dioxide and water vapor.

The result? Scientifically *better* air.

Specifications

Room size coverage
Up to 875 sq ft (81.29 m²)

Automated modes
Auto Protect: Standard

Fan speeds
5 manual speeds, Deep Clean (app only)

Sound levels
Lowest speed — 29 dBA
Highest speed — 55 dBA

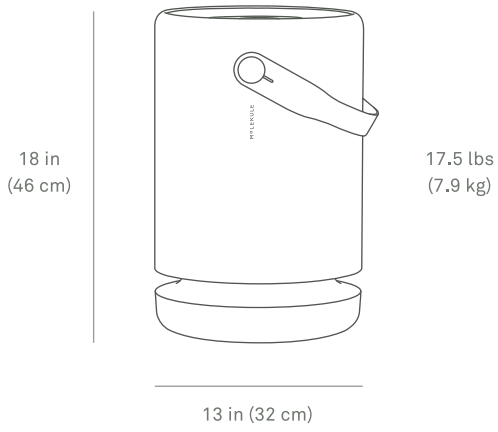
Sensors
Particulate Matter (PM1.0–10), Rh/T, TVOC

Control
Capacitive touch control and app

App-enabled
iOS and Android

WiFi-enabled
2.4 GHz and 5 GHz

Included filter
2× PECO-HEPA Advanced filters — recommended replacement every six months

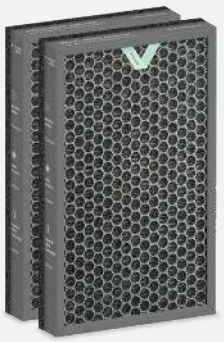


Cord length
72 in (183 cm)

Handle material
Vegan leather

FDA Clearance
510(k) Class II: Cleared for medical use to destroy bacteria, viruses and mold, and collect particles

Warranty
2-year limited



PECO-HEPA
Advanced purification

PECOAir uses two filters, each with three layers of protection against indoor air pollutants:



01

Activated carbon is the first line of defense, adsorbing odors and VOCs.

02

HEPA filtration captures more than 99.97% of fine particles down to 0.3 microns in size, including dust, dander, and pollen.

03

PECO technology breaks down organic pollutants, including viruses, bacteria, allergens, mold, and gases, that manage to pass through the first two layers.

MSRP $499

Scientifically *better* air™

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