



Product specifications

WellCube Air

HEPA purifier with
4 built-in IAQ sensors



Hyper-localized
air purification



Robust environmental
sensing



Data-driven insights
and API integration



Modular IoT system
for scalability

Features

Hyper-localized filtration

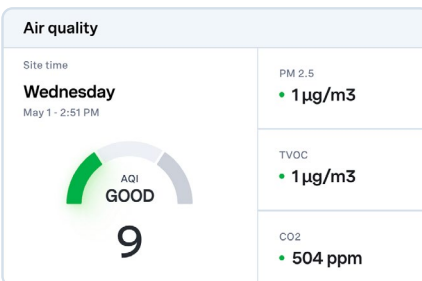
WellCube Air offers people-centered purification, targeting small zones and capturing particles like allergens, germs, and viruses before they can disperse. Covering 250 ft²* and designed for table-top use, Air should be installed near occupants for optimal air quality results.

Continuous IAQ monitoring

WellCube Air comprehensively tracks air quality via 4 IAQ sensors bundled into an all-in-one purification and sensing device. Air tracks particulate matter (1, 2.5, 10), TVOC, temperature, and relative humidity.

Connected devices

WellCube's smart devices, including Air, form a connected system using a reliable mesh network for wireless cloud connectivity. This network automatically adjusts communication paths for reliability and performance.



Client dashboard

WellCube Workspace helps you monitor, manage, analyze and improve your office environment all in one place. Within the WellCube Workspace, you can access your account, view the performance of your portfolio, office space and individual devices, facilitate ongoing maintenance and make adjustments to your WellCube system as needed.

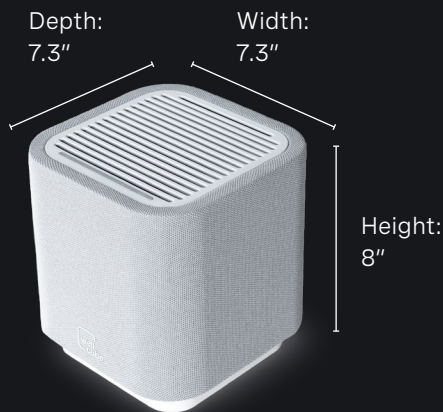
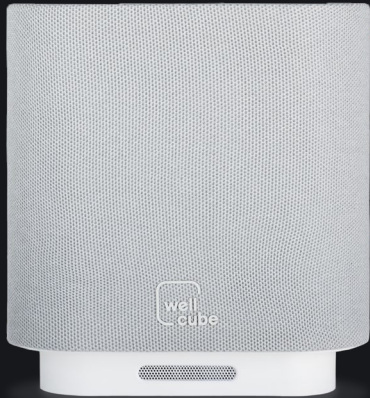
Ultra-quiet and low energy

Designed for areas where people work and gather, Air operates quietly, comparable to a quiet conversation, to ensure minimal disruption. It consumes between 1-11 watts of energy.

* Coverage is based on a CADR of 72 CFM with 2 AChE and 8 ft ceiling height.

Product specifications

WellCube Air



Technical specifications

Full Device Efficiency	HEPA H13 (99.97% at 0.3 micron)	
Room Coverage*	250 ft ² (72 CADR), 2 ACH	
CADR**	72.7	
Filters	Fabric Pre-Filter HEPA H13 with VOC absorption	
Modes	Auto Manual Standby	
Air Intake	Left & right sides	
Air Outlet	Top	
Fan Speeds	Low: 28 CFM Medium: 47 CFM	High: 60 CFM Turbo: 71 CFM
Fan Noise	Low: 32 dBA Turbo: 52 dBA	
Filter Quantity	2	
Pre-Filter Care	Vacuum every 3 months or as required	
Main Filter Replacement	6-12 months	
Filter Change Indicator	Yes	
Sensors	Particulate matter (1, 2.5, 10) TVOC Temperature Relative humidity	
Wireless Connectivity	Thread wireless mesh networking (built on IEEE 802.15.4) Range between WellCube devices: <ul style="list-style-type: none">• 50 ft max recommended within typical office environments• Up to 100 ft max open air	
Power Input	110-240 VAC 50/60 Hz plug in supply 12V DC purifier input USBC-PD (20 W max) 6 ft USB-C power cable (included)	
Energy Consumption	Standby: 1 W Low: 6 W Turbo: 11 W	
Device Dimensions	8" H x 7.3" W x 7.3" D Weight: 4.6 lbs	
Operating Temperature	-10-40°C	
Certifications	ETL FCC/ IC CARB	
Warranty	1 year	

* Assumes 8 ft ceiling height

** Based on average CADR for pollen, smoke, and dust when operating at max fan speed.

Sensor specifications

Particulate matter

Concentration Range	0-1000 $\mu\text{g}/\text{m}^3$
PM1	0.3-1 μg
PM2.5	0.3-2.5 μg
PM4	0.3-4 μg
PM10	0.3-10 μg
Mass Concentration Accuracy	$\pm 10\%$
Sensor Technology	Laser particle sensor
Sensor Response Time	<10 seconds
Sensor Lifetime	>10 Years

TVOC

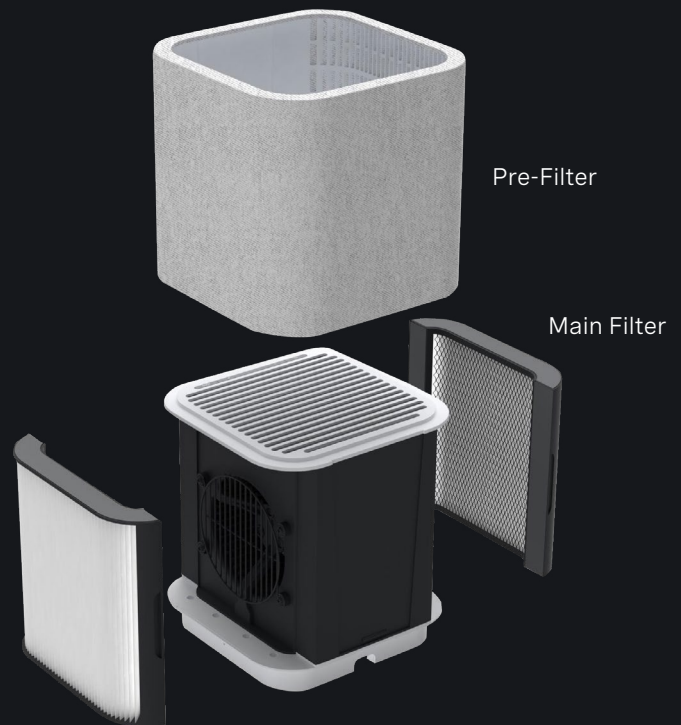
Measurement Range	0-1000 ppm
Calibration	Ethanol
Sensor Technology	Metal oxide sensor
Sensor Lifetime	>10 years

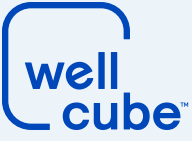
Temperature

Measurement Range	-10-50°C
Accuracy	0.45°C
Sensor Response Time	<60 seconds
Sensor Technology	Digital
Sensor Resolution	.5°C
Sensor Lifetime	>10 years

Humidity

Measurement Range	0-90%
Accuracy	4.5%
Sensor Response Time	20 seconds
Sensor Technology	Digital
Sensor Resolution	1%
Sensor Lifetime	>10 years





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