



# PuriFi HC Generator



Innovative AMP technology works with the central HVAC system for whole-building air and surface purification.

Designed for commercial and residential applications, the PuriFi HC Generator works directly with the building's central HVAC system, purifying the entire indoor environment during normal heating, cooling, and ventilation cycles.

PuriFi's Airborne Molecular Purification (AMP) technology divides and charges the molecules in the HVAC system's airflow, flooding every room with a high-volume blend of natural, long-life, molecular ions. AMP technology naturally deactivates tested viruses and bacteria in the air and on surfaces, effectively neutralizing odors while driving aerosols and particulates out of the breathing zone.\*

Combine PuriFi HC Generators with PuriFi IQ Generators, PM Sensors, and Smart Hubs to monitor IAQ performance while activating an automated response to indoor particulate levels. This intelligent air quality management system provides real-time feedback, responds to air quality changes, and lets you share results with occupants.



## HC Generator Quick Facts

- Neutralizes up to 99.99% of tested viruses, allergens, odors, and bacteria in occupied environments\*
- Reduces PM1, PM2.5, and PM10 airborne aerosols and particulates in the breathing zone\*
- Patented PuriFi O2 Catalyst converts unwanted ozone into oxygen\*
- Can be linked to PuriFi IQ Generators for automated response to air quality changes
- 5-Year Limited Warranty

## Test Report Findings

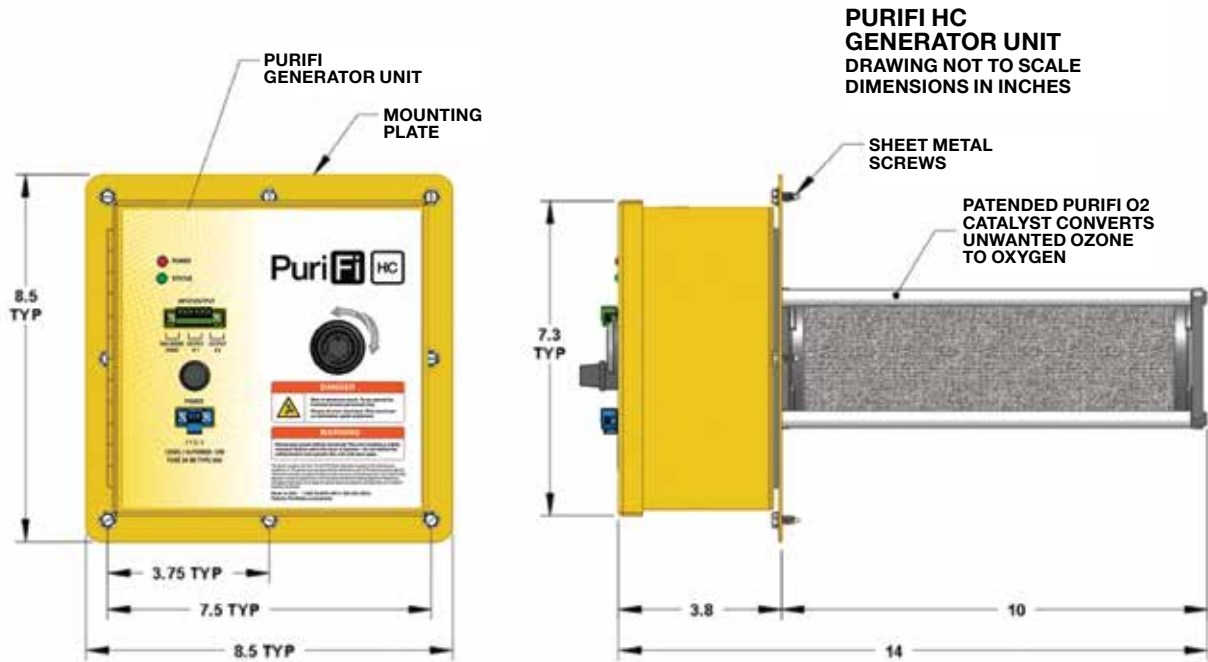
- Neutralizes tested airborne virus SARS-CoV-2 in real-world conditions: 97% total neutralization in 29 minutes\*
- Demonstrates a 95% total airborne reduction of the SARS-CoV-2 Delta variant in 29 minutes, with a progressive reduction of 99.999% in 59 minutes\*
- Inactivates 99.998% of the tested airborne SARS-CoV-2 Omicron variant in 59 minutes\*

\*Environmental Test Conditions: 1,280 cu. ft. biosafety room, 73°-77° F, 41%-45% RH, 170 CFM, and 8 ACH. Environmental Test Conditions: 1,280 cu. ft. biosafety room, 75°-79° F, 41% RH, 170 CFM, and 8 ACH. There is currently no universal solution for preventing coronavirus infections. PuriFi Labs encourages following hygiene guidelines in the manner suggested by government authorities. To view test reports on specific contaminants and performance levels of PuriFi, please visit: [PuriFiLabs.com/test-reports/](https://PuriFiLabs.com/test-reports/). Actual results may vary based on environment and occupied space.

## HC IAI-2000 Generator Product Specifications

Physical Dimensions (Enclosure) - H x W x D	7.3 x 7.5 x 3.8 inches (185 x 191 x 97mm)
Physical Dimensions (Maximum) - H x W x D	8.5 x 8.5 x 14 inches (216 x 216 x 356mm)
Weight including Mounting Plate	5.0 lbs (2.3 kg)
Enclosure Material	5052 Aluminum Alloy (Powdercoated)
Mounting Bracket Material	5052 Aluminum Alloy (Powdercoated)
Internal Operating Temperature (Max)	150°F (66°C) Safety Shutoff; UL Certified – max. ambient temperature in which the unit shall be used 180°F
Input Voltage to Unit	12 VDC via 2-Position Plug from External Power Supply Output Cord
Supply Voltage to External Power Supply	100-240VAC, 50/60 Hz, 800mA CLASS II Device (C8 Input Connector)
External Power Supply Cord	NEMA 1-15P to IEC 60320 C7 (or, International Connector to IEC 60320 C7 Connector)
Input Current Protection	2A 250VAC Slow-Blow Fuse 3AB/3AG Style 1/4" x 1-1/4"
Current Draw	≤1 AMP Maximum
Power Consumption (When Active)	12 Watts
Effective Area (Volume)	One Generator per 5 Tons of Cooling, 2000 CFM, or 2000-4000 square feet
Air Flow Volume per Device (Max)	Up to 4000 CFM Per Device
Ozone Control Feature	Patented PuriFi O2 Catalyst Converts Unwanted Ozone to Oxygen
Safety Features (Access)	Door Interlock Switch, Special Access Key
Safety Features (Operation)	Internal Fan Monitoring (RPM), Current Monitoring of HV Transformer

## PuriFi HC Generator Unit Dimensions



The science of real-time air and surface purification.

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