

# Promethium

A New Standard In Commercial Air Quality

Promethium Plant HVAC

Commercial HVAC  
Air Purification Solution



The PLANT HVAC is a ground breaking air purification system that installs directly into the ducting of an HVAC system, utilizing the flow from an air handler to operate. This device incorporates three synergistic, highly effective technologies that are all centered around Promethium's proprietary light activated photocatalyst. The PLANT HVAC breaks down viruses, bacteria, and harmful gases to make and keep an occupied indoor space comfortable and safe. This award-winning system was optimized by industry experts to provide the highest quality air possible at 0.125 in.w.c. pressure loss to an HVAC system. With a simplistic install, the PLANT HVAC can be utilized in a wide range of applications handling up to 5,000 CFM in either a new or existing building.



FEATURES

- Patent Pending Design – The housing for the proprietary photocatalyst was optimized using finite element analysis to ensure high performance and low impact on existing HVAC systems.
- Flow Capacity – The PLANT HVAC can purify air effectively up to 5,000 CFM.
- Performance Verification – The system's performance can be viewed through a desktop app reported via an optional IAQ monitor.
- Digital and audible maintenance periods – The PLANT HVAC comes with a digital display and optional audible indicator for lamp and photocatalytic substrate health.
- Low Energy Consumption – The PLANT HVAC utilizes flow from the air handler, and only requires an input of 285 watts to clean multiple large rooms simultaneously.
- Simplified Part Replacements – Optimal proprietary design allows for seamless consumable replacements.
- Smart Modulation – System automatically powers down when the HVAC blower is off to save energy.
- Scalable System – If an air handler outputs more than 5,000 CFMs, two or more units can be placed in series to achieve effective results with low system impact.

SPECIFICATIONS

- Material: Aluminium housing
- Filtration: 99% efficiency at 0.3 microns
- Maximum CFM: 5000 CFM per unit
- Power Requirements: 120V/220V, 50Hz/60Hz
- Energy Consumption: 0.285 kWh
- Weight: 57lbs
- Dimensions: 23" (L) x 26" (H) x 34"
- Electrical Safety Certification: ETL
- Airflow: Flow switch detection on/off
- Static Pressure Loss: 0.125 in. w.c. at 1800 FPM
- Number of Bulbs: 5 X 55-Watt bulbs
- Warranty: 5 Years

