

# Promethium

A New Standard In Commercial Air Quality

Promethium Plant 350

Commercial Wall Mounted Air Purification Solution



The PLANT 350 was designed for commercial-sized rooms that are heavily populated and require high air changes per hour to ensure a safe and comfortable indoor environment. By effectively cleaning the air in a wall-mounted configuration, it allows for Promethium's PLANT 350 to attack a wide range of harmful airborne pollutants very close to the source at less than 45db. This design makes the PLANT 350 ideal for a variety of clinical applications. Patient waiting rooms, a well-known source for the possible spread of infection, are a primary installation point. Additionally, individual treatment and recovery rooms are an excellent candidate for the PLANT 350

The PLANT 350 combines well-known, effective technologies along with Promethium's ground breaking photochemical process, to provide the most effective air purification possible. Installation is kept to a minimum, allowing for quick and easy use out of the box.

## SPECIFICATIONS

### Housing

18 gage stainless steel housing  
(Optional powder coating)

### Power Requirements

134 W, 120V/220V, 50Hz/60Hz

### Blower

EBM, 450cfm fan with backward impeller

### Warranty

5 Year Limited Warranty

### Weight:

42 lbs / 19 kg

### Dimensions

20.5"h×19"w×12"d

520mm × 483mm x 305mm



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FOR MORE DETAILS

- Promethium's proprietary blend of photocatalyst, activated carbon pre-filter, and a HEPA/ULPA-class filter, with a high-intensity UV-C lamp are combined for world-class performance. In addition to the constituent technologies filtration capabilities, the pre-filter and filter decrease airflow inside the PLANT 350 by over 45%, significantly increasing the residence time of contaminated air inside the chamber. This increase in residence time allows for more exposure to UVC irradiation and photocatalytic oxidation (PCO), which leads to a greater overall performance.
- The PLANT 350 unit is capable of 5 and 8 complete air changes per hour, in rooms 4000 ft<sup>3</sup> and 2500 ft<sup>3</sup> respectively. This decreases the amount of time a harmful particle will linger in the occupied space reducing the chance of adverse health effects.
- The full-color LCD status screen displays fan speed (with multiple speed settings), air quality indication via a 1.0µm-sensitive particle sensor, air chamber pressure (which assists in indicating the effectiveness of the filters), UV-C lamp status, and a counter indicating the number of days of effective use remaining for each replaceable part (lamp, filter and pre-filter).
- Visual and audible alarms are present for indicating lamp failure, necessity of part replacement, and other maintenance necessities. Additionally, the audible and visual alarms are battery-powered and will activate if the unit is unplugged in critical areas.

