



The PLASMA AIR MODEL P1000 is a self contained portable unit designed to increase ionization levels in areas where there is no ventilation system or it is not accessible. The unit contains a fan, filter, and bipolar ionization tubes all housed in a heavy gauge powder coated steel enclosure. Ideal applications for this unit are environments with high pollutant levels such as garbage rooms, beauty or nail salons, and offices/conference rooms. The P1000 utilizes two ionization tubes. If used continuously the ionization tubes as well as the filter located at the unit's inlet need to be replaced on a yearly basis.

APPLICATION

Choose an appropriate location

The P1000 should be placed on a flat surface at waist level or higher in an open area between 200 ft2 and 1000 ft2. The P1000 can be placed flush against a wall, but should not be obstructed by other objects that would restrict air flow in or out of the unit.

Electrical connection

After placing the P1000 in an appropriate location, plug the power cord into a standard 120V wall outlet, turning the unit on. The P1000 is designed to run continuously and functions best when not constantly turned on or off.

Select the appropriate control function

The P1000 is designed to serve up to 8,000 ft3 (1,000 ft2 with an 8 foot ceiling) of indoor air. However, the P1000 is equipped with three (3) fan speeds and two (2) ionization tubes to provide the appropriate amount of airflow and ionization to serve various applications. See Figure 1.

SPECIFICATIONS

- Air Flow Capacity: 100 CFM
- Housing Material: Powder Coated
18 Gauge Steel
- Color: White
- Dimensions: 14.5"(H) X 11"(W) X 5.5"(D)
- Weight: 12 pounds
- Maximum Operating Temperature: . 140° F (60° C)
- Electrical:
 - Voltage: 120V
 - Power Consumption: 16 watts
 - Current Draw: 0.2A
 - Frequency: 50/60 hertz
 - Internal Fuse: 4 automatic reset
0.5A fuses
 - Field Electrical Connection: Nema 15 receptacle
- Ionization Tube:
 - Material: Glass, stainless steel
 - Number of Tubes: Two (2)
 - Model: TX1000
 - Length: 6"
 - Life: 8,800 hours

	FUNCTION	DESCRIPTION
	Power Off	Red LED indicates power is Off
	Low	Low fan speed (50 CFM) with one (1) ionization tube operating
	Mid	Medium fan speed (75 CFM) with two (2) ionization tubes operating
	High	High fan speed (100 CFM) with two (2) ionization tubes operating

FIGURE 1

In general, a 200 ft2 area with an 8 foot ceiling will be best served by the P1000 at the Low setting. The P1000 can serve larger volumes of indoor air by adjusting the setting on the Control Panel to Mid setting or High setting, using the above example as a guideline.

Pollutant level will also determine which fan speed and ionization level is appropriate to adequately serve a certain volume of indoor air. For example, a garbage room will require a higher ionization level than a typical office.