

# Lamers ENVIRONMENTAL

## Commercial Air Purification System - Mini

### A Photohydroionization™ (PHI) Technology



Patent Pending

#### Reduces Airborne

- Smoke • Mildew / Mold
- Odors • Bacteria • Viruses\* • VOCs

#### Optional Absorbers

- Grease & Oils- Restaurants
- Mercury - Dental offices, Labs
- VOC's - Nail Salons

#### Benefits

- Economical
- Low Maintenance
- 10,000 Hour Cell Life
- Light weight
- Compact
- Versatile mounting options

Ideal for most offices, doctor / dental offices, nail salons, pet groomers, veterinarians and more!

#### **Restaurant:**

Restaurants have airborne FOG ( Fats, oils and grease) problems . Grease has been linked to cancer.

#### **Dental Offices:**

Fillings referred to as, "silver", or amalgum contain mercury. The drilling of these fillings asperates the mercury which is linked to nerve damage and mental problems.

#### **Nail Salons:**

Nail salons have high VOC (Volatile Organic Compound) levels from chemical products commonly used in this profession.

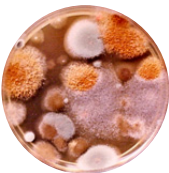
#### **The Problem:**

Indoor air pollution is now considered by the EPA and Congress to be America's No. 1 environmental health problem. Tightly sealed buildings and homes may be more energy efficient but can trap pollutants and microbes indoors causing allergies odors, mold and illness.

#### **The Solution:**

The APS Mini has proven to drastically reduce airborne odors, mold, and bacteria (in the 90+ percentile) along with also providing significant reductions in airborne FOG's for restaurants, mercury reduction in dental applications, and VOC reductions in nail salon applications.

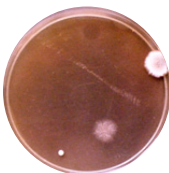
BEFORE



Actual lab tests

90% reductions of airborne bacteria and mold

AFTER



#### **SPECIFICATIONS**

**Dimensions:** 16 h x 16 d x 46 w cm

**Electrical:** 230 volt

**Controls:** low / high / off

**Weight:** 5 kg

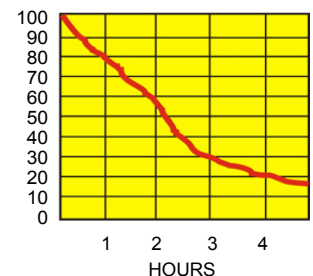
**Material:** Stainless Steel/ Polymers

**Advanced Oxidation:** Less than .04 ppm

**Replacement PHI Cell:** # PHIC-5A

**Free air delivery:** 34 m<sup>3</sup>/h

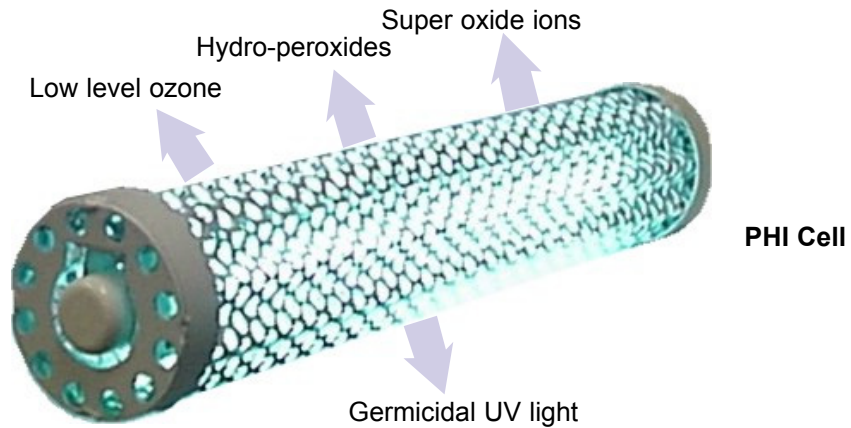
% ODOR REDUCTION



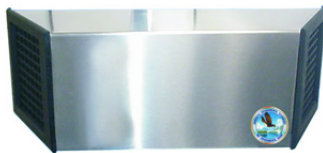
\*UV, Hydro-peroxides and Ozone are recorded as effective in killing viruses however clinical tests have not been performed as there are thousands of strains.

**The Technology:**

The APS Mini utilizes the Photohydroionization™ Cell which utilizes safe low level ozone, super oxide ions, hydro peroxides, passive negative ions and uv light targeted on a hydrated tri-metallic target to develop a advanced photo-catalytic oxidation.



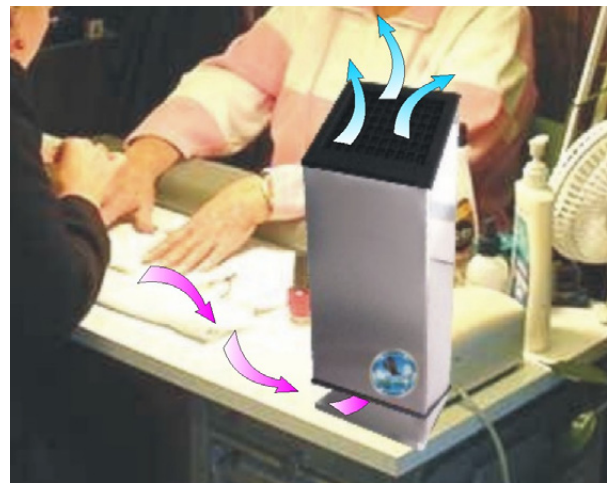
The resulting Advanced Oxidation reduces airborne mold, bacteria and odors over 90%. The restaurant option include a FOG absorber which captures over 90% of airborne FOGs. The dental option includes an airborne mercury absorber which can remove over 90% of airborne mercury.



Horizontal or vertical wall mount



Optional vertical stand  
Part# OP-002T



**Absorbers**

- |                   |         |
|-------------------|---------|
| FOG Cartridge     | FL-012T |
| Mercury Cartridge | FL-013T |
| VOC Cartridge     | FL-014T |

	reinigingstechniek bv Postbus 48 Ambachtsweg 2 Tel. 0314 - 62 33 41 Fax 0314 - 62 33 11	7020 AA Zelhem Nederland 7021 BT Zelhem info@lamersequipment.nl www.lamersequipment.nl
	0311fe2	