

# Airtech Clean Air Turbo

## Patented Ionization Technology



### Reduces Airborne

•Smoke •Mildew / Mold & Dust

•Odors •Bacteria •Viruses\* •VOCs

### Effectively Reduces

•Grease & Oils- (Restaurants, Bars)

•Mercury - (Dental offices, Labs)

•VOC's - (Chemical odors)

### Benefits

•Economical

•Low Maintenance

•10,000 Hour Cell Life

•Light weight

•Compact

Ideal for restaurants, bars, conference rooms, nursing homes, schools, locker rooms, health clubs, pet stores and other similar commercial applications.

### **The Problem:**

Indoor air pollution is now considered 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 Clean Air Turbo has proven to drastically reduce airborne odors, mold, and bacteria in the 90+ percentile along with significant smoke reduction. Airborne FOGs also are reduced over 90% for restaurant applications and mercury is reduced over 90% for dental applications.

### **The Technology:**

The Clean Air Turbo utilizes patented technology 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 an advanced photo-catalytic oxidation.

\*UV, Hydro-peroxides are recorded as effective in killing viruses, however tests are not performed on viruses as there are thousands of strains

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# How Does It Work?

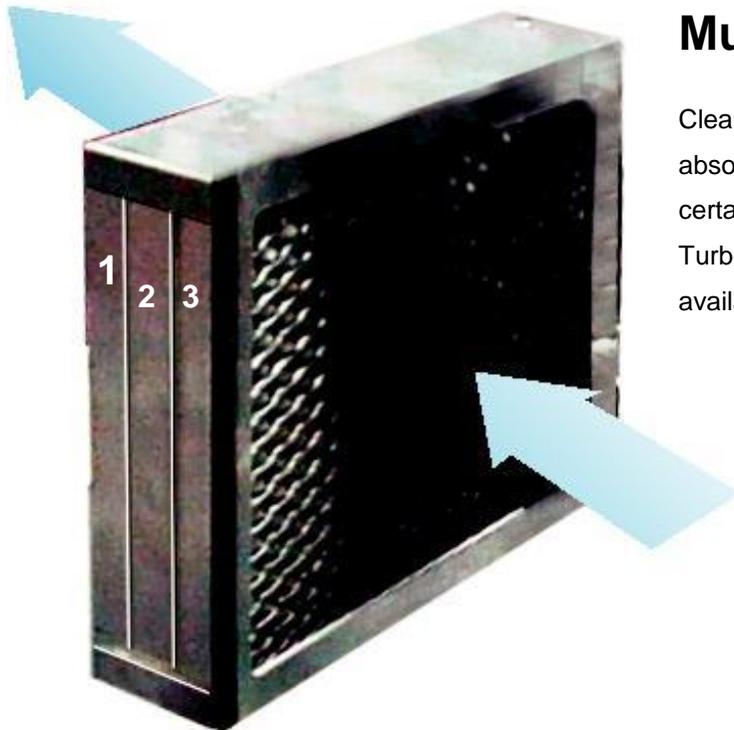
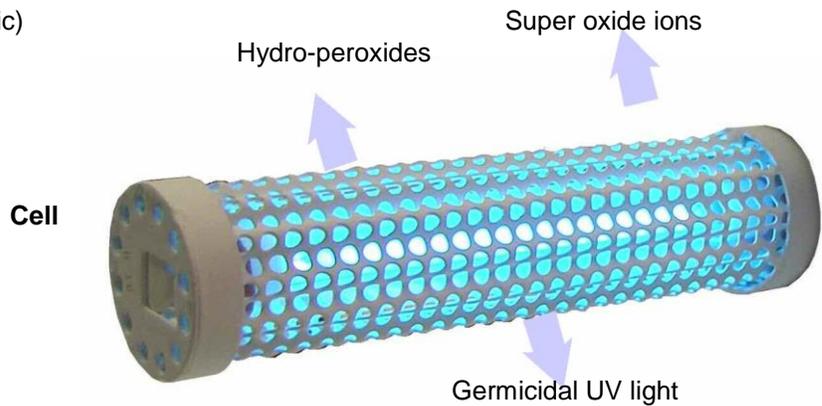
Clean Air Turbo is an extremely effective indoor air purifying system. It works through seven proven air purification technologies & six proprietary high efficiency cartridge absorbers.

Here's how these technologies work:

## Ionization Commercial Dual Module:

An advanced oxidation reaction occurs when light energy from the **ultraviolet (UV) cell** reacts with oxygen, ozone, a small amount of moisture in the air, and a hydrated **quad-metallic catalyst**. This reaction creates cleansing ions, such as hydroperoxides and super oxide ions, which are exhausted from the system into the surrounding air. The treatment of your air includes:

- suppression of bacterial growth (bacteriostatic)
- suppression of mold growth (mycostatic)
- reduction of odors
  
- reduction of chemicals (VOCs)



## Multiple Absorber Cartridges:

Clean Air Turbo can utilize any three of the six different absorber cartridges to customize its effectiveness on certain contaminants. This feature makes the Clean Air Turbo unique, as the most versatile filtration system available.

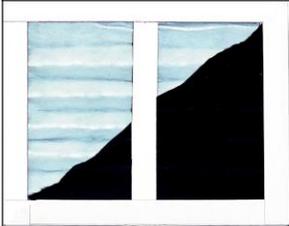


Optional vertical; stand for floor placement

# High Efficiency Cartridge Absorbers

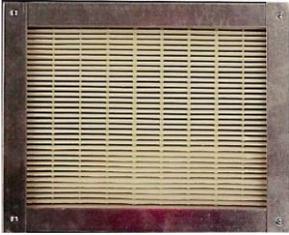
Each absorber is designed for a specific airborne contaminant

## Multi Cartridge and Multi Cartridge Plus



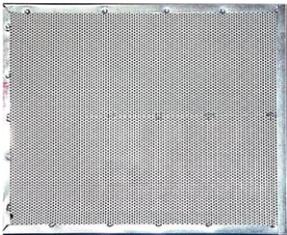
These general-purpose absorbers are an effective solution to moderate odor and particulate concerns. Airborne particulates are trapped on the inlet side of the absorber. The filtered air then passes through a unique carbon impregnated pleated layer. This design provides a cost effective solution to every day odor and particulate concerns. Available in 1" and 2" cartridges. \*Both sides shown for illustration purposes (Included in standard Clean Air Turbo unit)

## Ultra Cartridge.



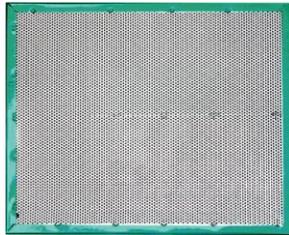
A 3" deep pleated cartridge for ultra fine particulate removal. Designed to meet ASHRAE test standards for 95% efficiency for particulate removal/absorption (near HEPA efficiency). Utilizes a copper/silver process for control of microbials usually associated with conventional filters.

## Mercury Cartridge.



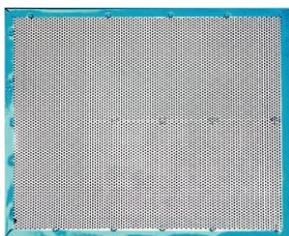
A media blend of natural elements that absorbs airborne mercury vapors. Ideal for labs, dental offices and industrial offices.

## VOC Cartridge.



A blend of natural elements and polymers that absorb airborne chemical fumes and VOC's such as smoke, solvents, oils, etc. Ideal for beauty and nail salons, restaurants and bars or anywhere industrial solvents are used.

## Radon Cartridge.



A blend of natural elements poly activated for efficient absorption of radioactive radon gas. Designed for basements or offices with radon problems.

## FOG (fats, oils and grease) Cartridge.

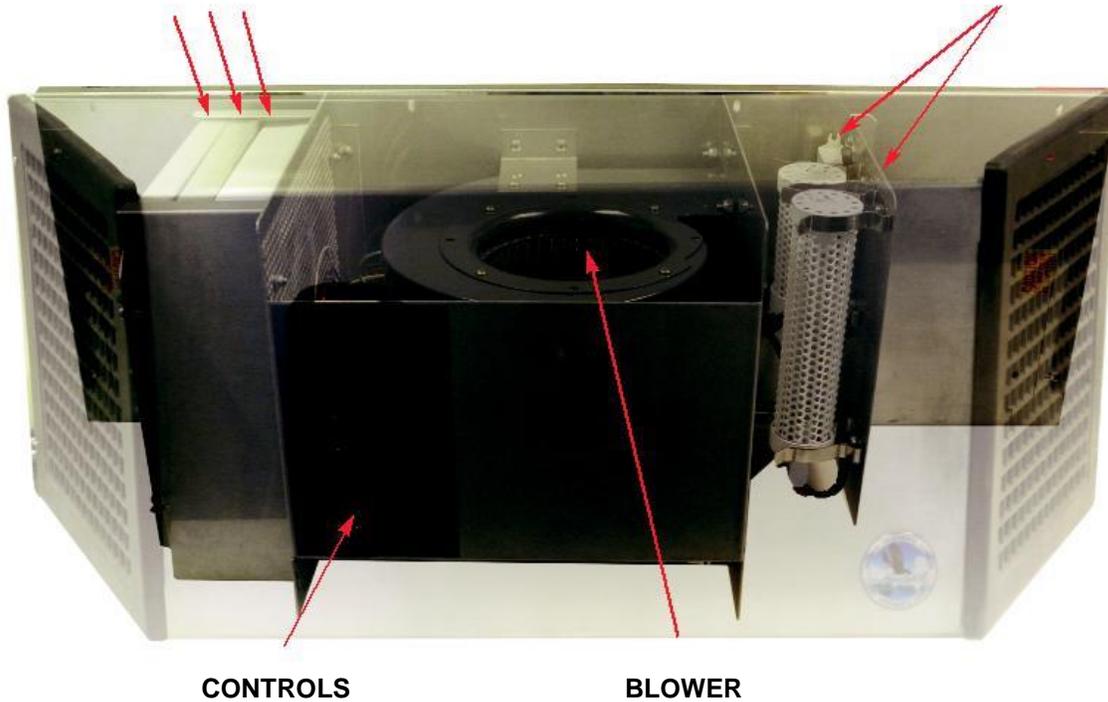


A proprietary coalescing polymer with oilphilic properties, acts as a FOG magnet. The FOG cartridge has the ability to absorb airborne FOG's to the sub-micron level. Cooking with FOG's will vaporize these pollutants into airborne health hazards. A unique copper/silver process controls media bacteria and mold growth on cartridge surfaces. (Included in standard Clean Air Turbo unit)

# Clean Air Turbo

Multiple filter configurations possible

IONIZATION CELLS



CONTROLS

BLOWER

## SPECIFICATIONS

Dimensions	13"H x 12.5"D x 37"L
Weight	50 lbs
Free air delivery	500 cfm
Electrical	110 volt 5 amps

## CONTROLS

- **ABSORBER CHANGE** Indicates absorbers need replacement  
TURBO 3 absorbers, blower, 2 targeted ionization cells
- **HIGH** 3 absorbers, blower, 1 high intensity targeted ionization cell
- **MED** 3 absorbers, blower, 1 targeted ionization cells
- **LOW** 3 absorbers, blower

## ABSORBER CARTRIDGES

(1) MULTI CARTRIDGE ODORS

AND PARTICULATE

(2) ULTRA CARTRIDGE

PARTICULATES -  
LOW LEVEL ELIMINATION

(3) MERCURY CARTRIDGE

VAPORS

(4) VOC CARTRIDGE

SMOKE, VOCS, CHEMICAL

(5) RADON CARTRIDGE

REMOVAL RADIOACTIVE  
RADON GAS

(6) FOG CARTRIDGE

(FATS, OILS, GREASE)