

# Airpura AIR PURIFIERS

## P700+

### VOCS AND CHEMICALS

**PHOTOCATALYTIC OXIDATION COMBINED WITH  
AIPURA'S HIGH EFFICIENCY AIR FILTRATION**

THE AIRPURA P700+

Available in White / Black / Cream

THE AIRPURA LIMITED WARRANTY

5 years parts / 10 years labor



## THE AIRPURA P700+ ENHANCED CHEMICAL ABATEMENT UNIT OFFERS

- **THE P700+ USES THE LATEST DISCOVERIES IN NANO-TECHNOLOGY**, developed by space research laboratories, to deliver a new and speedy airborne chemical abatement process.
- **THE TITANCLEAN™ TITANIUM DIOXIDE PHOTO-CATALYTIC OXIDIZER** dramatically increases the range of dangerous airborne chemicals that can be neutralized safely and effectively.
- **TITANCLEAN™ TITANIUM DIOXIDE (TiO<sub>2</sub>) COATING IN CONJUNCTION** with the UV light, creates an oxidizing process that instantly breaks molecular bonds and reduces airborne chemicals to smaller safer compounds, until only carbon dioxide and water vapor are left.
- **THE NEW TITANCLEAN PHOTOCATALYTIC OXIDIZER** is combined with Airpura's **18 lbs Activated Carbon bed, true Hepa Filter** and **20 watt UV Germicidal Lamp** to deliver the most complete air cleaning system available today.

### EFFECTIVE FOR:

Formaldehyde	PCBs
Radon	Trichlorophenol
Ammonia	Sulfide oxides
Mercury vapor	Toluene
Benzene	Nitrous oxide
Aldehydes, pesticides	Chloroform
Butanol	Dioxane
Carbon monoxide	Chlorotoluene
Exhaust fumes	
Molds, mycotoxins	

## FILTER LIFE



**HEPA FILTER**  
should be replaced  
between 3 and 5 years  
(depending on use).



**CARBON FILTER**  
should be replaced  
every 2 years



**PREFILTER** should  
be replaced every 12  
months.



**UV LAMP**  
should be replaced  
between every 18 to 20  
months.



**TITANCLEAN™**  
should be replaced  
between every 18 to 20  
months.

EXPERIENCE THE EVOLUTION OF CLEAN AND HEALTHY AIR

## FILTRATION SYSTEM

### Cleanable prefilter

Vacuum through grill and change every 12 months

### 18 lbs carbon filter

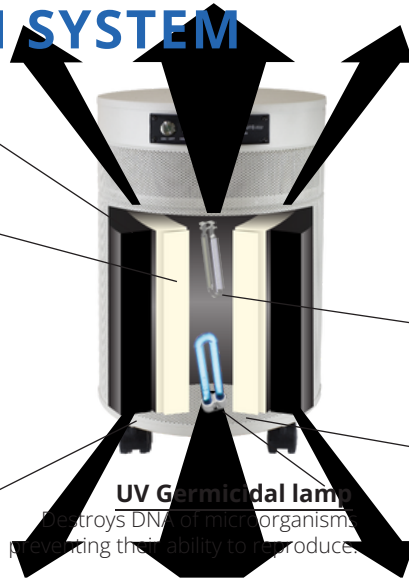
Vacuum through grill and change every 12 months

### HEPA filter

Traps 99.97% of particles as small as 0.3 microns. Coated with Titanium Dioxide (TiO<sub>2</sub>) to expand UV coverage area by 4.5X

### Pressure seals

Ensures integrity of filter chamber



### TitanClean™ Reflector

Titanium Dioxide (TiO<sub>2</sub>) coated reflector surface.

### Felt gaskets

No rubber off gassing.

### UV Germicidal lamp

Destroys DNA of microorganisms preventing their ability to reproduce.

## THE AIRPURA TITANCLEAN REFLECTOR

The TitanClean™ Reflector provides a large amount of TiO<sub>2</sub> coated surface area (115% of the width of the UV lamp).

The angled reflector design maximizes the range of photo-catalytic oxidation within the filter chamber and increases the germicidal effect of the lamp.

The UV germicidal lamp maintains 98% of its direct irradiation intensity due to the interior position of the TitanClean reflector.

The diffusion of the germicidal dosage from the UV lamp is enhanced in the confined chamber.

The location of the TitanClean™ reflector and the UV light in the center of the filter chamber allows them to work in concert with the HEPA filter.

Particulate pollution is stopped by the HEPA filter before reaching the reflector. This keeps the coated surface cleaner and more effective.

HEPA filter has been coated with titanium dioxide (TiO<sub>2</sub>) to expand irradiated area of the UV lamp by 4.5 times more.

Contact time of airborne chemicals is increased as they slow down passing through the Hepa.

The TitanClean™ Catalytic Oxidizer combined with the 18 lbs. Activated Carbon filter offers the most complete airborne chemical and VOC abatement available today.

## TITANIUM DIOXIDE PHOTOCATALYTIC OXIDIZATION

Developed and used in space technology laboratories for both air and water purification the Photocatalytic Oxidation (PCO) process is simple and elegant.

A metal surface coated with a metal oxide is irradiated with UV light to produce hydroxyl radicals and super-oxide ions.

The hydroxyl radicals and super-oxide ions break the molecular bonds of chemicals they come into contact with

and slice them into smaller compounds, that are further broken down until only carbon dioxide and water vapor are left.

For maximum efficiency, the process requires a sufficient surface area of reflective metal coated with a metal oxide to be positioned at a critical distance from the UV lamp while still allowing a good flow of air to bring the airborne chemicals into contact with the resulting hydroxyl radicals and super-oxide ions.

## TECHNICAL SPECIFICATIONS

### TITANCLEAN™

Photocatalytic Oxidization reflector US patent #29249549

Titanium Dioxide (TiO<sub>2</sub>) coated reflector surface

### UV GERMICIDAL LAMP

23 watts.

21,306 microwatts/cm<sup>2</sup> sec

### ODOR & CHEMICAL FILTRATION

18 lbs activated carbon  
13" H x 13.25" OD x 9" ID

### CARBON BED

2" deep x 570 sq" surface

### PARTICLE REMOVAL

HEPA 600 filter coated w/ titanium dioxide (TiO<sub>2</sub>) (Measured 1 side only). 10 pleats per inch Pleats warm rolled with separators

### 635 CFM (FREEFLOW)

### 450 CFM (WITH FILTERS)

More cfm than any other homen unit available

### PRE-FILTER

570 sq in x 1 in deep

### HOUSING

Powder coat steel

### SIZE

23" x 15"

### WEIGHT

35 lbs total

### VOLTAGE OPTIONS

115 or 220 volts

### WATTS

120 on high / 40 on low

### SOUND LEVEL

34.2 db on low (at 6 feet)

57.2 db on high (560 cfm)

### ETL CERTIFIED

Conforms to ANSI / UL 507

YOUR  
AIRPURA™ DEALER



EXPERIENCE THE EVOLUTION OF CLEAN AND HEALTHY AIR