

# Airpura

AIR PURIFIERS

## P700

VOCS AND CHEMICALS

PHOTOCATALYTIC OXIDATION  
COMBINED WITH AIRPURA'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 YOU:

- **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 (TiO2) 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 **16-18 watt UV Germicidal Lamp** to deliver the most complete air cleaning system available today.

#### EFFECTIVE FOR:

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

#### FILTER LIFE



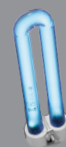
**HEPA FILTER**  
should be replaced  
between 3 and 5  
years (depending  
on use).



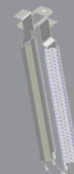
**CARBON FILTER**  
should be replaced  
every 2 years



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



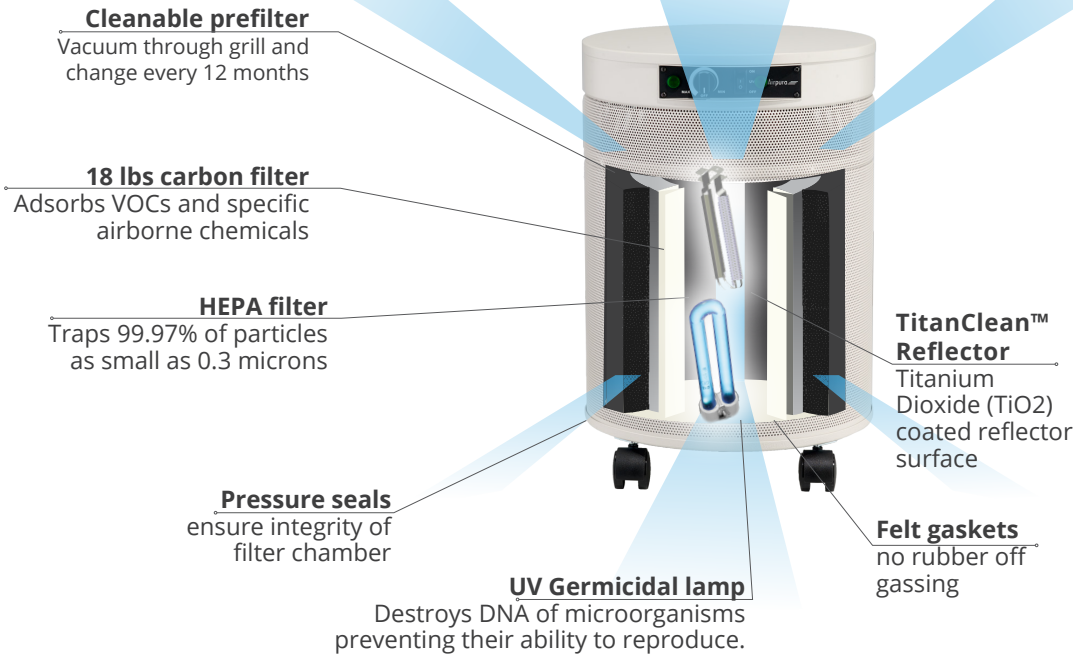
**UV LAMP**  
should be replaced  
between every 18  
to 20 months.



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

EXPERIENCE THE EVOLUTION OF CLEAN AND HEALTHY AIR

## FILTRATION SYSTEM



## 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 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.

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

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

The TitanClean™ Catalytic Oxidizer combined with the 18 lbs of 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**  
16-18 watts

**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**  
40 sq ft true HEPA (Measured 1 side only)  
10 pleats per inch  
Pleats warm rolled with separators

**AIR FLOW 635 CFM**  
More cfm than any other home unit available

**PRE-FILTER**  
570 sq in x 1 in deep

**HOUSING**  
Powder coat steel

**SIZE**  
23" x 15"

**WEIGHT**  
42 lbs total

**VOLTAGE OPTIONS**  
115 or 220 volts

**WATTS**  
120 on high / 40 on low

**SOUND LEVEL**  
30.2 db on low (at 6 feet)  
63.0 db on high (635 cfm)

**ETL CERTIFIED**  
Conforms to ANSI / UL 507

YOUR  
AIRPURA™ DEALER

