

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



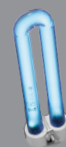
HEPA FILTER
should be replaced
between 3 and 5
years (depending
on use).



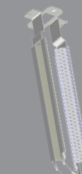
CARBON FILTER
should be replaced
every 2 years



PREFILTER should
be replaced every
12 months.



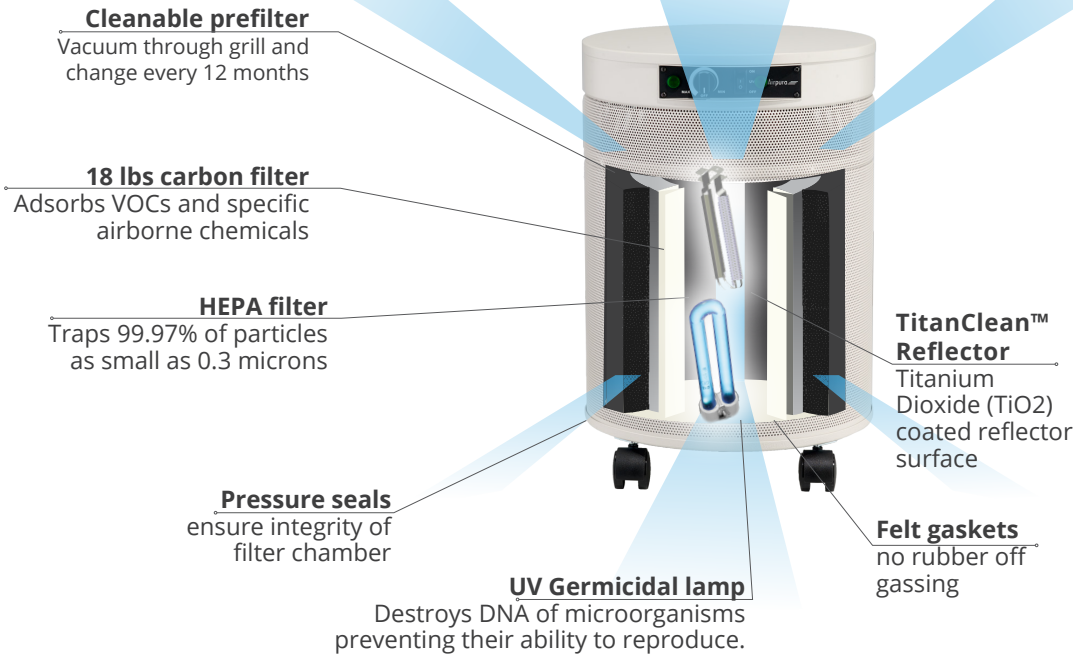
UV LAMP
should be replaced
between every 18
to 20 months.



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 TiO₂ 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 (TiO₂) 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

Cleaner Solutions International
Sales and Support
(888) 788-6393

