



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

- **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 | 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

HEPA filter
Traps 99.97% of particles as small as 0.3 microns more.

Pressure seals

Ensures integrity of filter chamber

UV Germicidal lamp

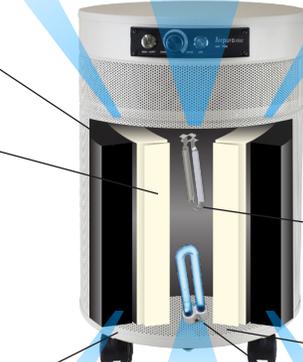
Destroys DNA of microorganisms preventing their ability to reproduce.

TitanClean™ Reflector

Titanium Dioxide (TiO₂) coated reflector surface.

Felt gaskets

No rubber off gassing.



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 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.

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. 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

**635 CFM (FREEFLOW)
450 CFM (WITH FILTERS)**

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

35 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 (560 cfm)

ETL CERTIFIED

Conforms to ANSI / UL 507

YOUR AIRPURA™ DEALER



EXPERIENCE THE EVOLUTION OF CLEAN AND HEALTHY AIR