



Reduces
greater than **99%** of
Airborne
Contaminants

Advanced Technology for

Reducing Tobacco Smoke and Volatile Organic Compounds (VOCs)

Destroying Viruses and Bacteria

Improving Indoor Air Quality

Enhancing Customer Experience



The V-PAC™ SC reduces viruses, bacteria and other VOCs within the air purifier



A Self-contained Air Purifier that Utilizes 6 Stages of Air Cleaning Technology to Produce Better Air Quality

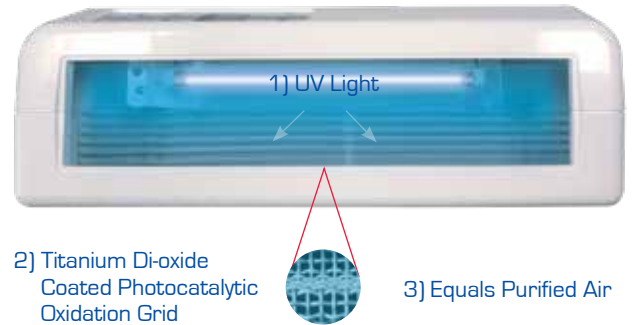
The V-PAC™ SC addresses all 4 sources of indoor air pollution (particles, gases, aerosols and odors). The key to the system is photocatalytic oxidation that destroys viruses, bacteria and volatile organic compounds (VOC) in addition to particulate filtration within the air purifier.

Typical Room Air Contaminant Reduction:

- Particles **greater than 99%**
- Bacteria **greater than 93%**
- Total Volatile Organic Chemicals (TVOC) **greater than 90%**

How it Works

- 1) When UV light illuminates the titanium di-oxide (TiO₂) coated photocatalytic oxidation grid, an activation process occurs.
- 2) The activation generates highly reactive hydroxyl radicals and superoxide ions resulting in a strong chemical “oxidizing” reaction between the supercharged ions and gaseous pollutants such as VOCs and odor molecules.
- 3) This breaks the pollutant down into trace amounts of carbon dioxide and water molecules, thus **purifying the air!**



Air Exchange Level Monitor and VOC Sensor Provides Total IAQ Control

CATALYTIC AIR PURIFICATION

Air Quality

VOC Sensor

Square Feet	Room Size/Fan Speed	Square Meters
1,000		93
820		76
650		60
465		43
310		29
160		15

Air Filter Service Reset

UV Lamp Service Reset

Power

Fan Speed

Sleep Mode

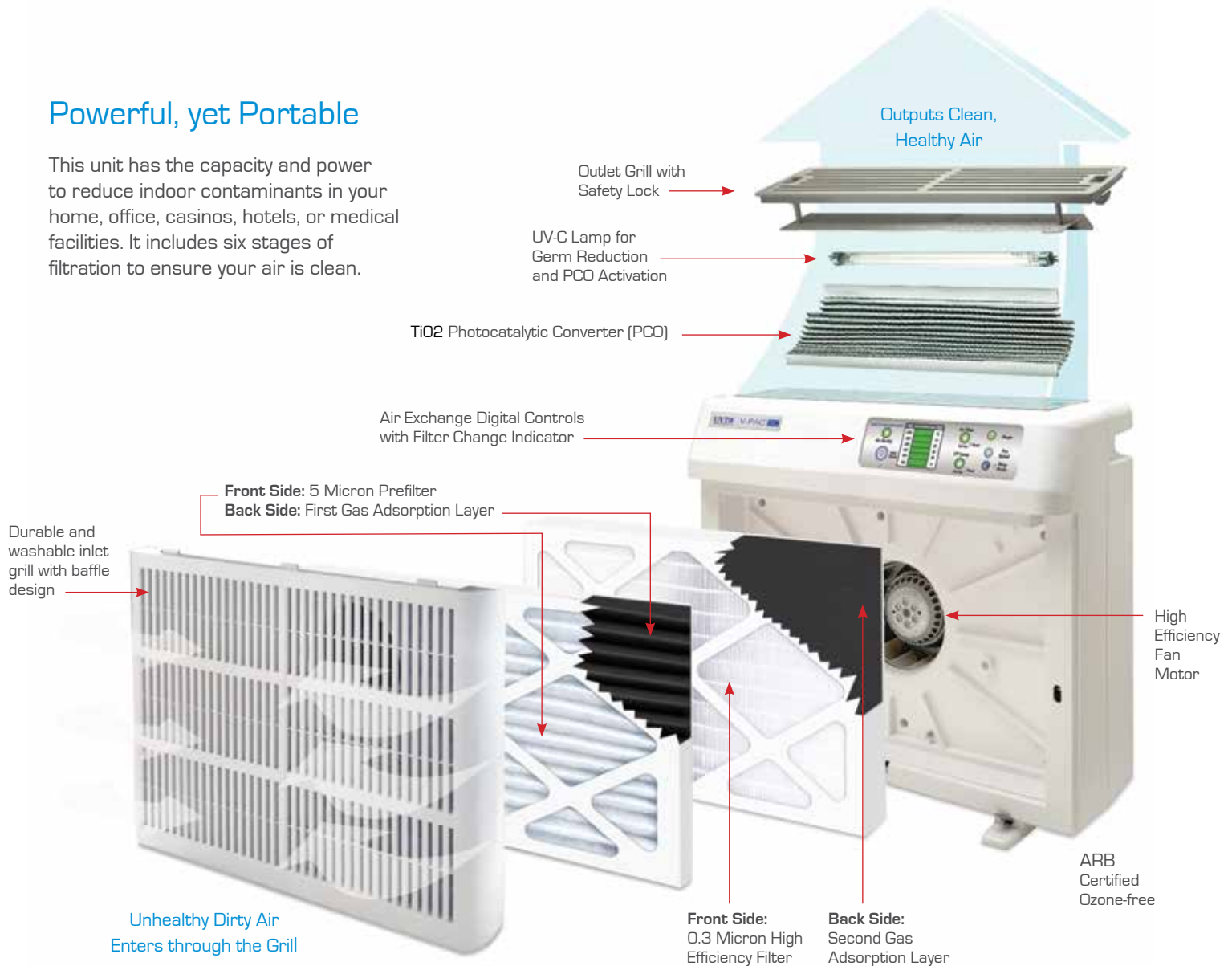
The air exchange monitor plays a huge role in providing the flexibility to change the air in a room to clean it. The higher the air exchange level, the better indoor air quality you will have.

- Monitor communicates when filter or lamp replacement is necessary
- VOC sensor detects VOCs and automatically adjusts fan speed

The V-PAC™ SC is Powerful

Powerful, yet Portable

This unit has the capacity and power to reduce indoor contaminants in your home, office, casinos, hotels, or medical facilities. It includes six stages of filtration to ensure your air is clean.



Tech Specs

Stage 1 — Prefilter: 5 Micron Rating
Gas Adsorption Layer: Activated Carbon

Stage 2 — High Efficiency Filter: 0.3 Micron Rating
Gas Adsorption Layer: Activated Carbon

Catalyst: TiO₂ Anatase

Dimensions: 21.5" W x 18.5" H x 8" D (55 cm W x 47 cm H x 20 cm D)

Weight: 23 lbs (11 kg)

Sound Level: 48-68 dBA

Maximum Air Volume: 265 CFM (8 m³/minute)

UVC Lamp: 254 nanometers (germicidal)

Two Options Available:

Part Number: 41-1311 41-1313

Line Voltage: 115 V/60 Hz 220 V/50 Hz

Maximum Watts: 106 watts 84 watts

Maximum Amperes: .89 ampere .38 ampere

The V-PAC™ SC goes through Multistages of Purification to Deliver Clean, Healthy Air

FILTRATION: Traps Particles as Small as 0.3 Microns including Dust, Dander & Pollen



Stage 1: 5 Micron Prefilter (Front Side)

A 5 micron prefilter removes all particles from the air larger than 5 microns such as dust, dander, and pollen. The prefilter extends the life of the high efficiency filter and protects the gas adsorbing media from dust coating and fouling.



Stage 2: Gas Adsorption Layer (Back Side of Prefilter)

First gas adsorption layer (Black) on the back side of the filter is a specially formulated gas adsorption media that adsorbs exhaust fumes, organic hydrocarbons, paint solvents, chlorine, cleaning chemicals and other fumes.



Stage 3: 0.3 Micron High Efficiency Filter (Front Side)

High efficiency filter that removes contaminants as small as 0.3 microns in size such as allergens, pollen, bacteria, viruses, spores and tobacco smoke.



Stage 4: Gas Adsorption Layer 2 (Back Side of High Efficiency Filter)

A second gas adsorption layer (Black) on the back side of the filter is a specially formulated gas adsorption media that adsorbs exhaust fumes, organic hydrocarbons, paint solvents, chlorine, cleaning chemicals and other fumes.

GERMICIDAL AIR DISINFECTION: Destroys Airborne Microbes including Viruses, Bacteria and Fungi



Stage 5: UV-C Lamp

Germicidal ultraviolet light (UV-C) is highly effective in destroying viruses and bacteria too small to be filtered out by a high efficiency filter. Ultraviolet technology combined with photocatalytic oxidation increases effectiveness of air disinfection.

ELIMINATION: Reduces Odors from Tobacco Smoke, Cooking and VOCs



Stage 6 - Photocatalytic Converter

The key to photocatalytic oxidation is anatase TiO_2 , a semiconductor catalyst material that becomes highly reactive when exposed to specific wavelengths of ultraviolet light. This chemically oxidizes the odor molecules and converts them into trace amounts of carbon dioxide and water molecules.