



**CFM**<sup>TM</sup>  
CONTINENTAL FAN

*better AIRFLOW by DESIGN*<sup>TM</sup>

# *Residential Fans & Air Purifiers*





## 3 components of poor indoor air quality

**Particulates** – Very small solid or liquid substances, such as dormant or living organisms and inorganic or organic compounds, that are light enough to float in air.

**Microbial** – This category represents germs, viruses, and bacteria. These small organisms can only be seen through a microscope, and are present in every environment.

**Chemical (Gaseous)** – Hundreds of gaseous pollutants, covering all combustion gases and organic chemicals (VOC's), have been detected in indoor environments. Health effects vary widely and depend on the types, concentrations, frequency and duration of exposure.

## AIR PURIFICATION

### WHAT'S POLLUTING THE AIR QUALITY IN YOUR HOME OR WORK PLACE?

Indoor Air Quality (IAQ) has become one of today's leading health concerns, as most people spend over 80% of their time indoors. The outside environment, ventilation systems, construction materials, furniture, carpeting, paints, and cleaning solutions are a few of the many factors that contribute to the quality of indoor air.

The ventilation system has been cited as a prime contributor to Sick Building Syndrome. This can be due to poor design, improper maintenance, or incorrect operation. It may even be as simple as a change from an initial home or office layout, which can affect system efficiencies.

It is important to distinguish between Sick Building Syndrome and Building Related Illnesses:

- Building Related Illnesses are identifiable, and can be attributed directly to specific airborne contaminants, such as Legionnaire's Disease.
- Sick Building Syndrome is used to describe a situation in which those spending extended time in a building, such as daily employment, report or experience acute on-site discomfort.

Providing better indoor air quality is everyone's responsibility. There are many factors that we can control to help provide better indoor air quality and a healthier building:

- Building and decorating with Green Products
- Eliminating harmful chemicals used for everyday cleaning
- Incorporating proper ventilation methods
- Installing an air purification system such as CX1000 or CX3000GS

## FAN OPTIONS & ACCESSORIES



**CX1000**  
Portable Air Purifier



**CX1000-RF**  
Filter Set



**CX3000GS**  
Ducted Air Purifier



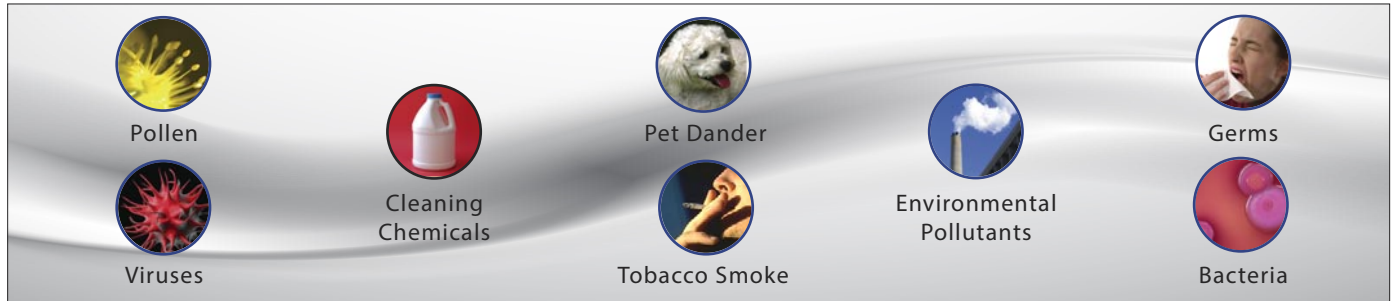
**CX3000-RFGS**  
MERV-11 Filter

## CX AIR PURIFIERS

CX Air Purifiers are the most advanced in the world, dealing with all facets of air purification:

### Particle Removal Chemical Neutralization Living Organism Abatement

Using patented technology, CX Air Purifiers remove airborne particles, neutralize odors and chemicals, and render germs, viruses and bacteria harmless.



CX Air Purifiers:

- Create a cleaner environment
- Alleviate fatigue & headaches
- Reduce asthma, hay fever & sinus problems
- Cut dust & cleaning requirements
- Promote health & wellness
- Ease breathing problems
- Control pet odors & dander
- Relieve sore throats, runny noses & sneezing

### Photo-Catalytic Oxidation

CX Air Purifiers incorporate patented Photo-Catalytic Oxidation technology, using UVC light to activate a highly reactive catalyst. This process converts harmful and toxic compounds into benign constituents, such as water and carbon dioxide.

### Easy Maintenance

CX Air Purifiers are designed for easy maintenance to ensure peak performance at all times. Built-in electronic service lights indicate when filters and UVC lamps require replacement.

### Electronic Sensor

CX1000 Portable Air Purifiers feature an electronic sensor that constantly monitors air quality. Airflow automatically increases to compensate for periods of unusually high chemical activity or particle count. Warning lights signal the presence of toxic chemicals and fumes well before they reach dangerous levels or become detectable to the human senses.

MODEL	CX1000 Portable Air Purifier	CX3000GS Ducted Air Purifier
DIMENSIONS	21.3" w x 19.0" h x 8.0" d	25.5" w x 21.0" h x 10.0" d
WEIGHT	23 lbs.	26 lbs.
MAXIMUM AIRFLOW	265 cfm	2,170 cfm
POWER CONSUMPTION	110 watts	45 watts
VOLTAGE	1/120V/60	1/120V/60
BLOWER	Backward-curved motorized impeller	N/A
UVC LAMP(S)	10 watts	(2) 22 watts per bulb (44 watts total)
MICROWATTS AT SURFACE PER CM <sup>2</sup>	16,000	21,000
MICROWATTS @ 1'	540	1,125
UV RANGE	254 NM (germicidal)	254 NM (germicidal)
FILTERS	5 micron pre-filter; 0.3 micron hospital grade HEPA filter	Electrostatic needled fiber MERV-11
1ST STAGE GAS TREATMENT LAYER	Activated carbon	N/A
2ND STAGE GAS TREATMENT LAYER	Activated carbon	N/A
APPLICATION	1,000 sq. ft. (automode)	3,000 sq. ft.
SERVICE INTERVAL*	UVC lamp 1 year, filters 2 years	UVC lamp 1 year, filters 6 months
CATALYST	Metal Oxides	Metal Oxides
WARRANTY	2 years excluding lamp and filters	2 years excluding lamps and filters

\*SERVICE INTERVALS ARE SUBJECTIVE TIMES AND MAY FLUCTUATE BASED ON ENVIRONMENT.

# AIR PURIFIERS

## CX1000 PORTABLE AIR PURIFIER

The CX1000 Portable Air Purifier is designed to remove airborne particles, neutralize chemicals, and abate living organisms.



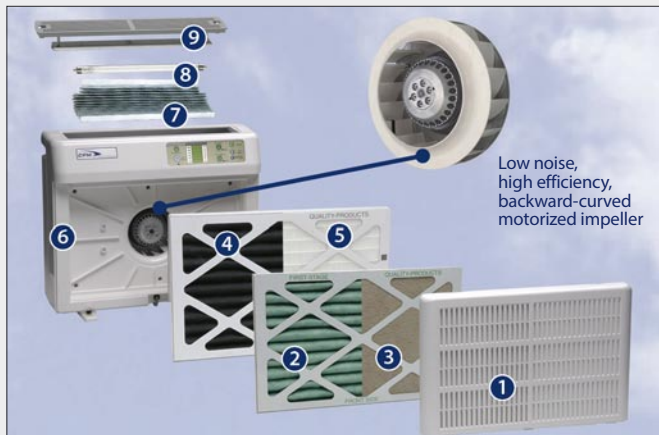
CX1000 Portable Air Purifier uses a five-stage process to purify indoor air:

1. Treated Pre-Filter - Removes Particles to 5 Microns
2. Activated Carbon Filters (2) - Reduce Toxic Chemicals and Gases
3. Hospital Grade HEPA Filter - Purges Allergens to 0.3 Microns
4. Reactive Catalyst - Neutralizes VOC's, Toxic Chemicals, and Odors
5. UVC Light - Renders Germs, Viruses, and Bacteria Harmless

### CX1000 REPLACEMENT PARTS

CX1000-RFL	2 Year Kit - 2 Filter Sets + 2 UVC Lamps
CX1000-RF	Filter Set
CX1000-RL	UVC Lamp (1 Only)
CX1000-PF	Pre-Filter
CX1000-HF	HEPA Filter

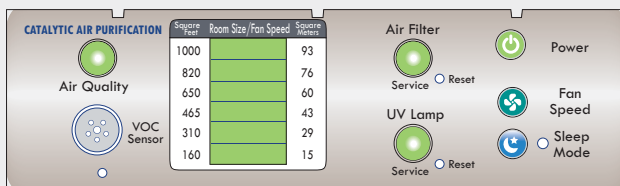
### CX1000 Portable Air Purifier



1. Air inlet grille with safety lock
2. Pre-filter
3. 1st stage gas adsorption layer
4. 2nd stage gas adsorption layer
5. Hospital grade HEPA filter
6. High impact ABS plastic
7. Photo-catalytic converter
8. High output germicidal UVC lamp
9. Air outlet grille with safety lock

See page 25 for complete specifications.

### Computerized Electronic Controls



CX1000 electronic controls monitor air quality and feature an infrared motion detector and toxic chemical sensor.

Electronic Sensors detect:

- \* Aerosols
- \* Chemicals
- \* Pesticides
- \* Industrial Pollution
- \* Smog
- \* Carbon Monoxide
- \* Ozone
- \* Tobacco Smoke
- \* Dust
- \* VOC's