



**Breathe easy with the GeoAir PCO**  
 – the most advanced indoor air cleaner available today

At GeoSmart Energy, we care about the air you breathe. With indoor air pollutants ranked among the top five environmental risks to people’s health, there is no better way to clean the air in your home than with a GeoAir PCO.

This cost-effective, easy-to-install, maintenance-free unit packs powerful technology that is so effective it is used to clean the air on nuclear submarines and approved for use in healthcare facilities.

While residential air filters can remove inorganic pollutants such as dust mites, animal dander and mold spores from the air, the GeoAir PCO virtually eliminates the more harmful volatile organic compounds in the air that pose a risk to your family’s health. These compounds are main contributors or causes of allergies, asthma, respiratory problems and general poor health.

Using a process called photocatalytic oxidation, the GeoAir PCO breaks down the gaseous chemicals found in paints, dyes, adhesives, cleaners, and personal hygiene products and converts them into harmless non-toxic substances. You and your family can breathe easy with a GeoAir PCO installed in your home.

The GeoAir PCO virtually eliminates these irritants from the air in your home including those which cause odors.

Common Indoor Air Pollutant	Typical Particle Size (microns)
Pollen, mould, plant spores	7-70
Dust mites	3-10
Hairspray	3-10
Large bacteria	1-20
Auto emissions	1-3
Lead dust	1-3
Fungal spores	0.50-7
Cooking smoke/odors	0.30-1
Paint pigments	0.30-1
Dust	0.20-8
Pet dander	0.15-8
Small bacteria	0.08-1
Tobacco smoke	0.008-0.6
Viruses	0.005-0.01
Volatile organic compounds	Less than 0.001

## GeoAir PCO Features

**Energy efficient. Affordable. Maintenance-free. Long service life.** GeoSmart Energy's GeoAir PCO is a UV/PCO N-Duct™ air cleaner combining the power of two pollutant-fighting technologies – ultraviolet light (UV) and photocatalytic oxidation (PCO) – generating significantly improved indoor air quality

**TiO2 GRID:** This 187 square-inch grid is a fibrous, 3-dimensional compressed metal foam material coated with a nano-technology titanium dioxide, providing more than 20 times the reactive surface area of a typical PCO catalyst. Maximum efficiency with negligible resistance to airflow. Self-cleaning. Self-renewing. Never needs replacing.

**PCO LAMPS:** Two powerful 36-watt dual radiant 16-inch lamps provide 5 times the destructive power of typical 14-inch UV lamps and 50% greater coverage area. Easily changed. Energy efficient.

**ELECTRONIC DISPLAY PANEL:** This easy-to-read industry-leading electronic display panel provides an at-a-glance status of your GeoAir PCO and will alert you when it's time to replace the UV lamps.

**INSTALLATION:** The complete unit weighs only 4 pounds and can be quickly and easily installed with any HVAC system. It can be plugged into any A/C outlet or hardwired into the system. No retrofitting is necessary.

**SAFETY:** The PCO process is safe. No chemicals. No ozone.

**EXTENSIVE WARRANTY:** The GeoAir PCO unit carries a 5-year warranty and 9,000 hours for the dual UV lamps.

It's easy to take the air we breathe for granted, but every day we expose our lungs to harmful indoor air pollutants that increase our risks for respiratory problems. Given that we spend more than 90% of our time indoors, improving indoor air quality is more important than ever before. For the best air purifier on the market today, look no further than the GeoAir PCO.

The GeoSmart Energy brand is your guarantee of adherence to the highest standards in quality, functionality and workmanship. Every system is backed by superior customer service and the best warranties in the business.

**Breathe easy with a GeoAir PCO.**



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ENERGY

GeoSmart Energy Inc., 290 Pinebush Road, Cambridge, ON N1T 1Z6  
T: 1.866.310.6690 F: 1.866.533.3889 [www.geosmartenergy.com](http://www.geosmartenergy.com)

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