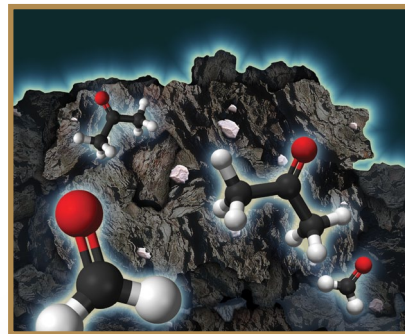
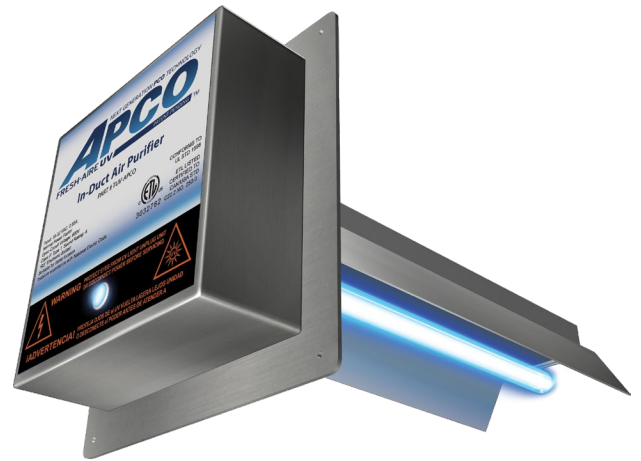


## In-Duct Air Purifier

The Fresh-Aire UV APCO™ is the next generation in IAQ improvement technology, incorporating an advanced absorptive photo-catalytic oxidation (APCO) monolithic cell.

Current PCO technology is limited by only being capable of breaking down simple indoor air contaminants such as odors in the air as they pass by the PCO cell. Traditional PCO cells are ineffective on more complex VOCs such as formaldehyde or toluene.

The Fresh-Aire UV APCO™ cell absorbs these contaminants and allows time for complete oxidation of these contaminants. Plus, the cell is regenerative, breaking down the captured impurities to simple carbon dioxide and water vapor. In addition, the Fresh-Aire UV APCO™ uses our proven shielded UV-C lamp for airborne disinfection, not to mention irradiating the coil to eliminate system clogging biological growth unlike other PCO systems.



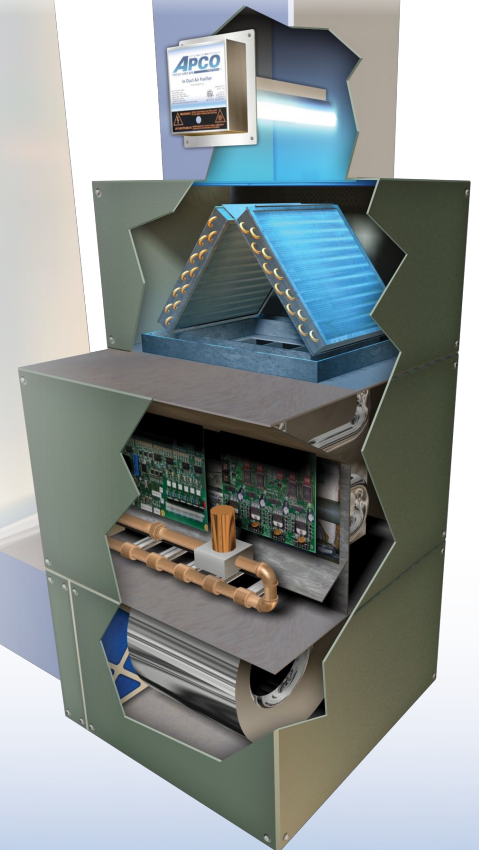
The Fresh-Aire UV APCO™ captures and destroys toxic molecules in the air

### FEATURES

- Advanced Monolithic Absorptive PCO cell with proprietary absorption media and proven TiO<sub>2</sub> photo-catalytic coating for the reduction of complex VOCs and household odors.
- Non-Ozone quartz 254 NM UV-C lamp for airborne germicidal disinfection
- Simple duct-mounted installation
- Lifetime power supply warranty
- Easy to install 18-32 VAC or 110-277 VAC power supply fits any application
- Reversible design when increased airstream bio-kill is desired
- Remote second lamp available for return side coil treatment

### BENEFITS

- Reduces airborne pathogens such as mold, bacteria, viruses and odors
- Reduces harmful household VOCs (volatile organic compounds) through an advanced absorptive photo-catalytic oxidation process
- More effective on complex VOCs such as formaldehyde than conventional PCO products
- Provides surface treatment of coils, heat-strips, & blowers unlike conventional PCO technology



The Fresh-Aire UV APCO™ is installed in the ductwork of a furnace or air handler

# Odors & Toxic Chemicals In Indoor Air



Volatile Organic Compounds (VOCs) can make indoor air smell bad and can be harmful to your health. There are thousands of different VOCs produced and used in our daily lives, including toxic chemicals such as formaldehyde, benzene, and acetone.

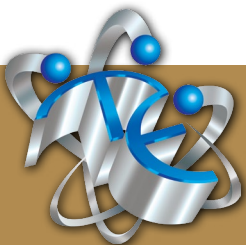
## The Solution is APCO™...



Common Sources of VOCs Include:

- Building materials
- Carpets & adhesives
- Upholstery fabrics
- Vinyl floors
- Composite wood products
- Paints & varnishes
- Sealing caulks & glues
- Carpet cleaning solvent
- Home and personal care products
- Air fresheners
- Air cleaners that produce ozone
- Cleaning & disinfecting chemicals
- Cosmetics
- Smoking & fireplaces
- Fuel oil & gasoline
- Moth balls
- Vehicle exhaust from an attached garage

APCO Specifications	
Part #	TUV-APCO ER & SI Series
UV Lamp	Standard 100% 254 NM Germicidal UV-C Spectrum Quartz Hot Filament
PCO Cell	Advanced Monolithic Absorptive PCO cell with proprietary absorption media and proven TiO2 photo-catalyst
Dimensions	APCO Cell: 13"L x 3"W x 5"D Case: 8"L x 8"W x 2.5"D
Weight	3 lbs.
Electrical ER Series	18-32 VAC, 60 Hz, 0.68 Amps, 16 VAC
Electrical SI Series	110-277 VAC, 50/60 Hz, 0.51 Amps/120V Thru 0.22 Amps/277V
Warranty	Lamp 2 Years Power Supply Lifetime



A **FRESH-AIRE™** product manufactured by:  
**Triatomic Environmental, Inc.**  
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**800-741-1195**

