

# APCO

NEXT GENERATION PCO TECHNOLOGY  
FRESH-AIRE UV

## What is APCO®?

The Fresh-Aire UV APCO® is installed in the ductwork of your central air system and is designed to help reduce odors, toxic chemical vapors, germs and mold in your home.

## DETOX THE AIR IN YOUR HOME

### How APCO® Works

The APCO® unit removes airborne contaminants as the air is circulated by the central air system.

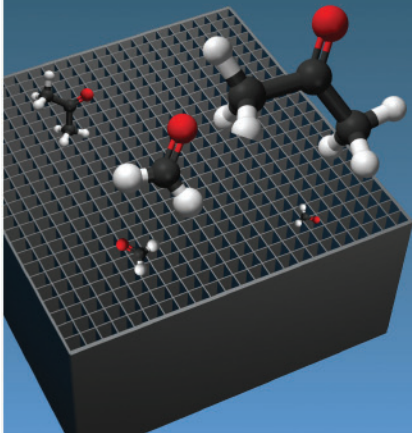
Airborne microbes and volatile organic compounds (odor molecules) are captured by the APCO® activated carbon matrix and held in place by the microscopic structure.

### Fight Germs & Odors Without Ozone

Unlike many air-cleaning devices, APCO produces no ozone. UV-C light shining on the APCO® activated carbon matrix causes a photocatalytic reaction which transforms odor molecules into harmless water vapor and CO<sub>2</sub> which are released into the airstream.

Mold, germs, and viruses are also sterilized by UV-C light shining on the carbon matrix and in the air as they pass by.

## ENTER THE MATRIX



The matrix of titanium dioxide infused activated carbon cells inside APCO® attracts and holds odors, microbes, and VOC molecules which are then catalyzed by exposure to UV light.

The carbon cells are self-cleaning and the system is virtually maintenance-free other than lamp replacement.



FRESH AIR  
CLEAN AIR  
CLEAN AIR  
ODOR FREE AIR  
MOLD SPORES  
COOKING SMELLS  
VIRUSES  
PET ODORS  
TOBACCO SMOKE  
DIAPER SMELLS  
VAPORS FROM NEW CARPET  
BACTERIA



## Improved Indoor Air Quality

Indoor air pollution is often five times worse than outdoor air pollution. The unique design of APCO® addresses both biological and chemical contaminants in indoor air.

APCO® is especially effective against potentially toxic Volatile Organic Compounds (VOCs) which are the source of nearly all bad smells. APCO® also sterilizes microbes as they pass by in the air stream. The result is cleaner, healthier, fresh smelling indoor air.

## The Solution is APCO®...



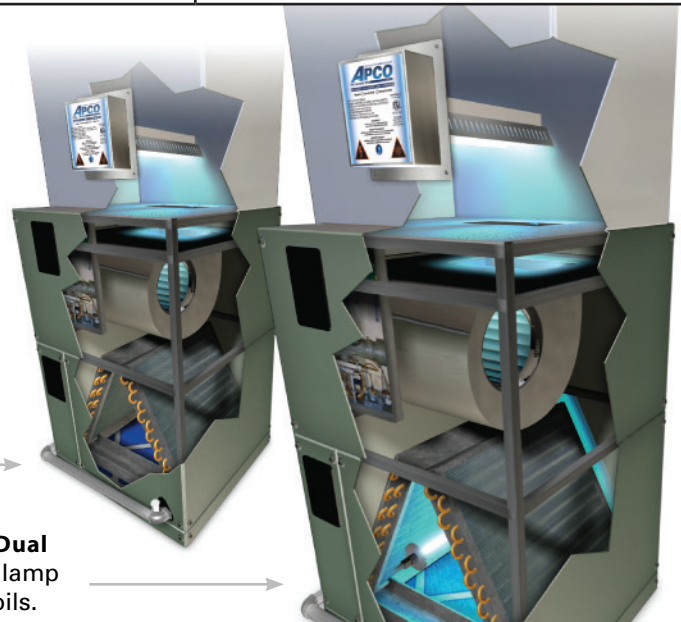
### ODORS & VOCs

- Cigarette / cigar / pipe smoke
- Pet odors
- Cooking smells
- Building materials
- Flooring / carpets / upholstery
- Composite wood products
- Paints / varnishes / solvents
- Cleaning & disinfecting chemicals
- Fuel oil / gasoline / vehicle exhaust

### BIOLOGICAL

- Mold
- Allergens
- Viruses
- Bacteria

APCO Part Numbers		
ER (Low Voltage)	TUV-APCO-ER TUV-APCO-DER TUV-APCO-ER2 TUV-APCO-DER2	1 year single 1 year dual 2 year single 2 year dual
SI / DI (High Voltage)	TUV-APCO-SI TUV-APCO-DI TUV-APCO-SI2 TUV-APCO-DI2	1 year single 1 year dual 2 year single 2 year dual
APCO Specifications		
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,	
Pressure Drop	<0.01" w.c. @ 400 FPM	
Dimensions	APCO Cell: 13"L x 3"W x 5"D Case TUV-APCO-ER: 8"L x 8"W x 2.5"D Case all others: 10"L x 10"W x 2.5"D	
Weight	3 lbs.	
Electrical ER Series	18-32 VAC, 60 Hz, 0.68 Amps, 16 VAC	
Electrical SI / DI Series	110-277 VAC, 50/60 Hz, 0.51 Amps/120V Thru 0.22 Amps/277V	
Warranty	Lifetime on all parts except lamp	



Air-handler installation →



Made in USA

**Maximum Protection with APCO® Dual**  
APCO® Dual includes a second UV lamp  
which is mounted at the cooling coils.



Manufactured by Triatomic Environmental, Inc.

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