

FRESH-AIRE UV[®] **APCO[®]** IN-DUCT AIR PURIFIER

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

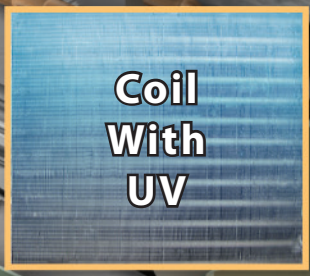
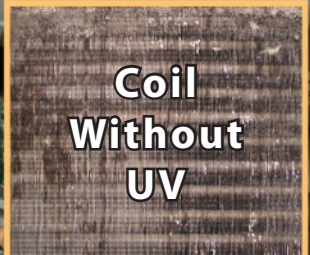
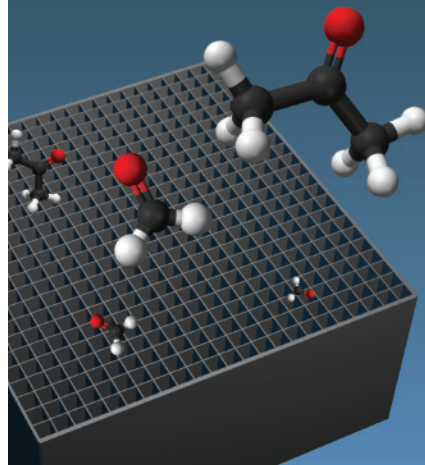
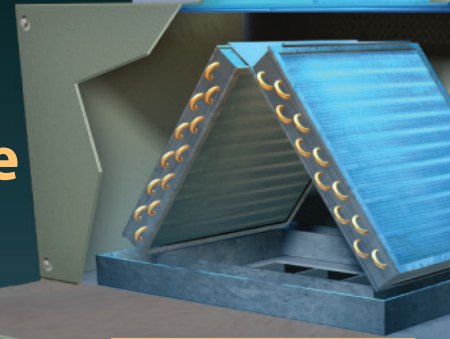
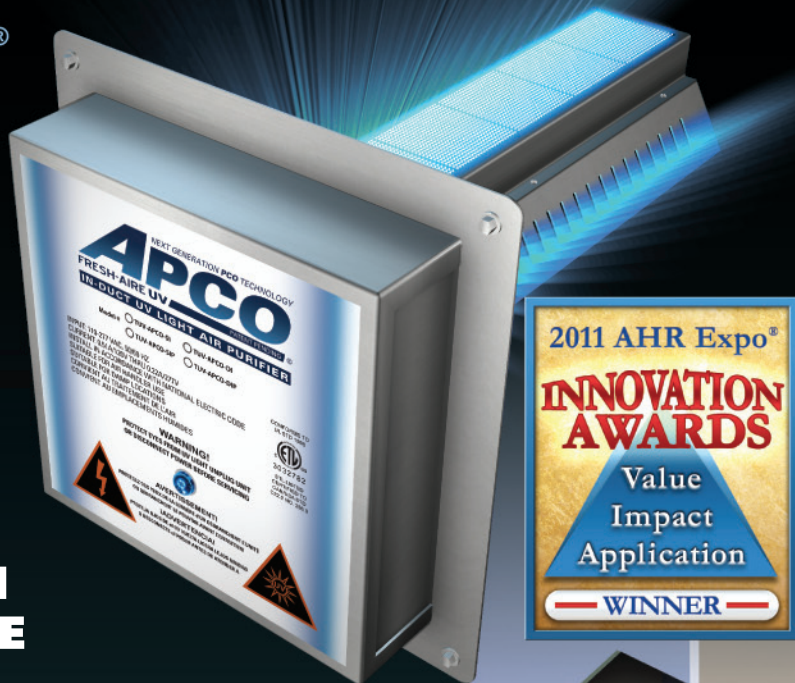
Unlike many air-cleaning devices, APCO[®] produces no ozone. UV-C light shining on the APCO[®] activated carbon matrix causes a photocatalytic reaction which transforms odor molecules into harmless water vapor and CO₂ which are released into the airstream.

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.



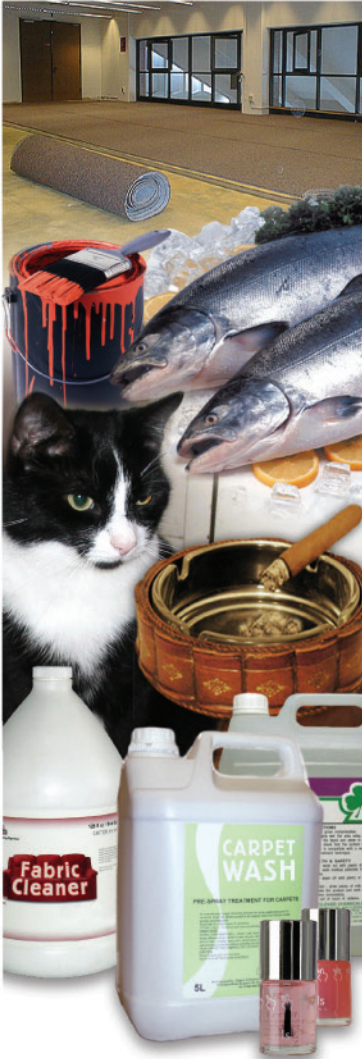
UV-C light suppresses microbial growth on HVAC coils and surrounding areas

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

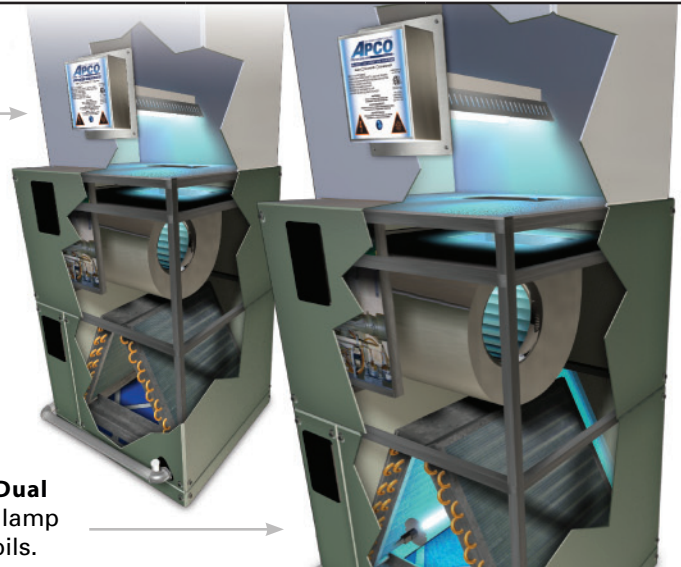
- Cigarette / cigar / pipe smoke
- Pet odors
- Cooking smells
- Building materials
- Flooring / carpets / upholstery
- Composite wood products
- Paints / varnishes / solvents
- Cleaning & disinfecting chemicals
- Fuel oil / gasoline / vehicle exhaust

BIOLOGICAL

- Mold
- Allergens
- Viruses
- Bacteria

Air-handler installation →

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	
Electrical ER Series	18-32 VAC, 60 Hz, 0.68 Amps, 16 VA Low-voltage power-supply	
Electrical SI / DI Series	120-277 VAC, 50/60 Hz, 0.51 Amps/120V Thru 0.22 Amps/277V High-voltage power-supply	
Warranty	Lifetime on all parts except lamp	
Part Numbers		
ER (Low Voltage) Internal Mount Power Supply	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) Internal Mount Power Supply	TUV-APCO-SI* TUV-APCO-DI* TUV-APCO-SI2* TUV-APCO-DI2*	1 year single 1 year dual 2 year single 2 year dual
* For optional wall plug on high-voltage power supply add 'P' to part# Example: TUV-APCO-SIP		



Made in USA

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



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