

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

2011
AHR
EXPO
INNOVATION
AWARD
WINNER



APCO[®] RT

The Fresh-Aire UV APCO[®] RT (remote tether) system works with your central air system to reduce odors, toxic chemical vapors, germs and mold in your home. APCO[®] RT uses the same technology as the standard APCO unit but is easier to install in tighter spaces.

DETOX THE AIR IN YOUR HOME

How APCO[®] Works

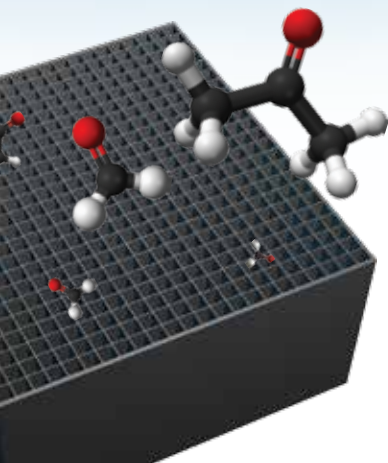
APCO[®] RT removes airborne contaminants as the air is circulated by the central air system.

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 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[®] RT attracts and holds odors, microbes, and VOC molecules which are then catalyzed by exposure to UV light.

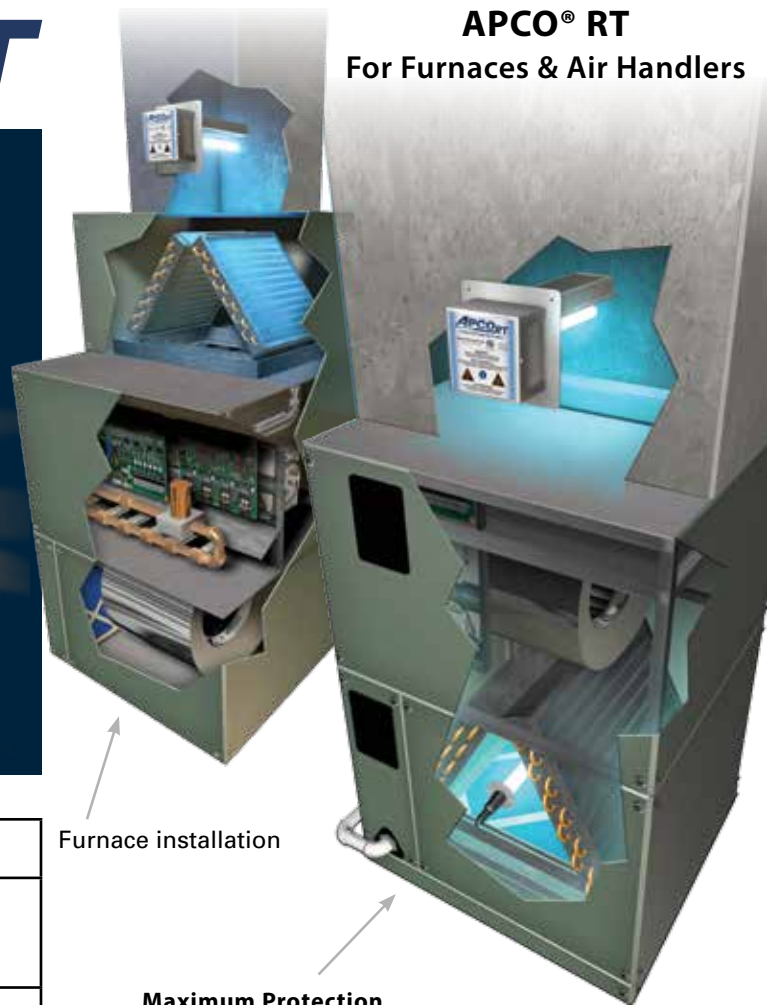
The carbon cells are self-cleaning and the system is virtually maintenance-free other than lamp replacement.



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



APCO[®] RT For Furnaces & Air Handlers



Furnace installation

Maximum Protection

APCO[®] RT Dual includes a second UV lamp which is mounted at the cooling coils.

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 TiO ₂ photo-catalyst,
Pressure Drop	<0.01" w.c. @ 400 FPM
Dimensions	Carbon Cell: 3.5"W x 1.25"H x 9.25"D Enclosure: 6"W x 6"H x 2.5"D
Electrical ER Series	18-32 VAC, 60 Hz, 0.68 Amps, 16 VA Low-voltage power-supply
Electrical ST / DT 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-RT-ER TUV-APCO-RT-ER2	1 year single 2 year single
ST / DT (High Voltage) Internal Mount Power Supply	TUV-APCO-RT-ST TUV-APCO-RT-DT TUV-APCO-RT-ST2 TUV-APCO-RT-DT2	1 year single 1 year dual 2 year single 2 year dual

U.S. patent #7,704,463



Made in USA



Manufactured by Triatomic Environmental, Inc.

WWW.FRESH-AIREUV.COM

@freshaireuv.com

