FRESH-AIRE UV
The Indoor Air Quality Expert

APCO
ORIGINAL RT & MAG

THE ORIGINAL WHOLE-HOUSE AIR PURIFIER

APCO® cleans the air by combining UVC light and activated carbon; two technologies proven to be most effective at killing germs, and removing odors by reducing chemical vapors known as volatile organic compounds (VOCs). Some of them, like formaldehyde and acetone, are known to be toxic.



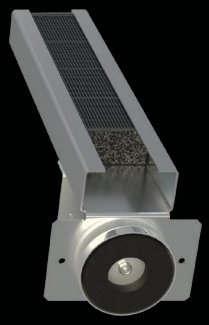
Duct Mount RT
(for smaller ducts)



Duct Mount



Magnet Mount 15



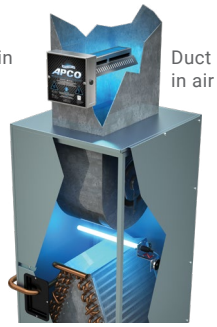
Magnet Mount 11

FEATURES/BENEFITS

Duct or magnet mount	Whole-house air purification
Easy to install	Neutralizes odors & toxic VOCs
Lifetime carbon cells	Fights mold, bacteria, & viruses
Ozone-free	Improves indoor air quality
Lifetime warranty	Inhibits HVAC mold growth



Duct Mount in furnace



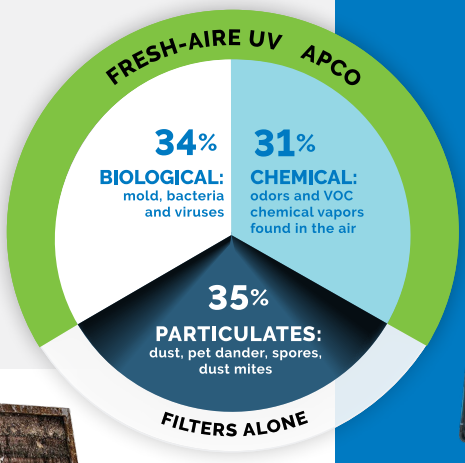
Duct Mount Dual in air handler



Magnet Mount in package unit

SAFELY AND EFFECTIVELY TREAT THE OTHER 2/3RDS

Conventional filters are only effective against particulates, like dust. APCO® is proven to safely reduce both biological and chemical contaminants inside the air system and throughout the building. Together, they address 99+% of the contaminants in the air.

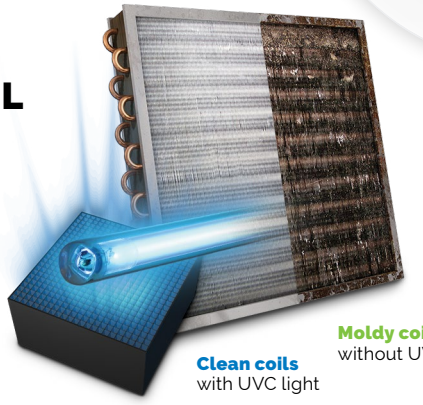




APCO Neutralizes Mold, Bacteria, Viruses, and Allergens

CLEANS THE COIL AND DRAIN PAN

Helps keep the HVAC system running efficiently and extend its life.



Clean coils with UVC light

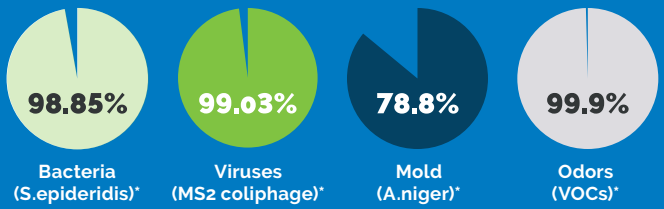
Moldy coils without UVC light

FRESH-AIRE UV
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We are committed to developing and validating our products. APCO Testing achieved incredible results:

Fresh-Aire UV systems are not intended to diagnose, treat, prevent, or cure any disease.



Bacteria (S.epideridis)* | Viruses (MS2 coliphage)* | Mold (A.niger)* | Odors (VOCs)* | SARS-CoV-2 virus within 3 seconds of exposure**

* % Reduction of common indoor air contaminants over 4 hours. Tested at airflow velocity of 492-fpm (0.93m3/sec)

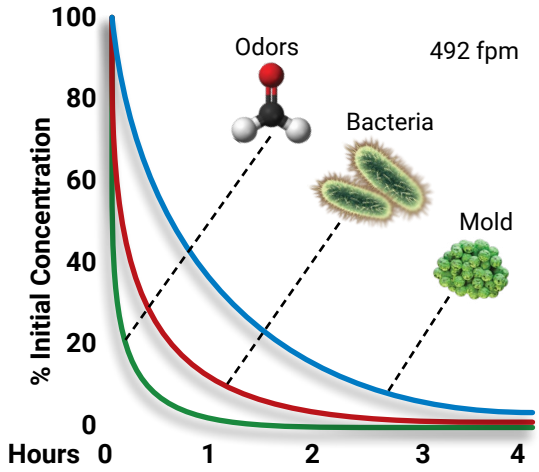
**The SARS-CoV-2 virus test was conducted at a distance of 6" on test surfaces in a laboratory setting.

TECHNICAL DATA

APCO® utilizes proprietary UV-reactive carbon cells to disinfect the air and neutralize odors and volatile organic compounds (VOCs) in the indoor air. The system uses specially prepared adsorption media to capture VOCs, then, with the help of a 254 nm germicidal UVC lamp, the captured constituents are neutralized through an innovative reaction process which breaks them down into elemental carbon dioxide and water vapor.



APCO Carbon % Reduction of Common Indoor Air Contaminants Over 4 Hours

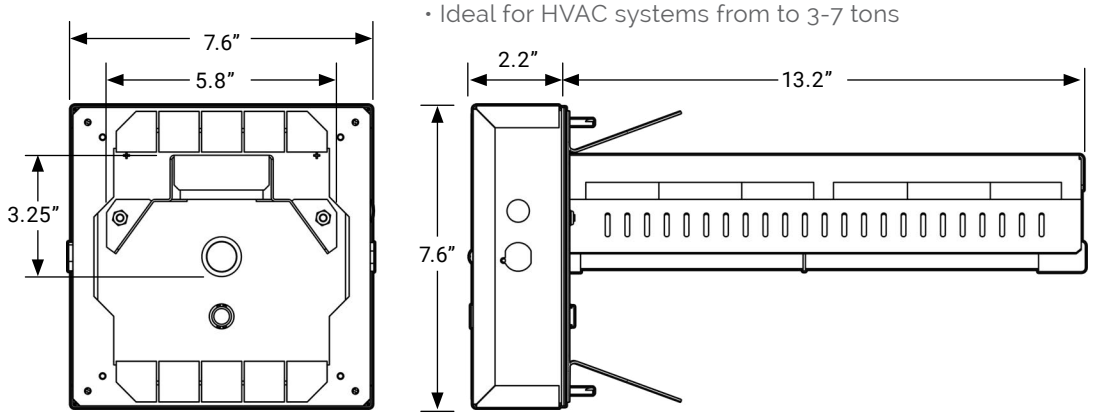


The monolithic carbon cells in APCO® are regenerative. Under normal operation it requires no maintenance and does not need to be replaced. Additionally, the UVC light in APCO® disinfects the moving air stream reducing airborne mold, bacteria, and viruses. The UV light also reduces any build up of mold within the air handler and ducts.

APCO TECHNICAL DATA	
UV Lamp	254 nm Germicidal UVC Spectrum Quartz Hot Filament
Carbon Cell	Advanced Monolithic Adsorptive Carbon cell with proprietary absorption j and proven TiO2 photo-catalyst
Cell per In2	16
Cell Surface Area	250 m2/gm
Bulk Density	1.44 gm/cm2
Pressure Drop	<0.01" w.c. @ 400 FPM
VOC Activity	40-60% absorption per pass
Max Operating Temp.	400 degrees F

APCO CARBON

- High or low-voltage internal power supply
- Slotted flanges enhance air flow
- Ideal for HVAC systems from to 3-7 tons

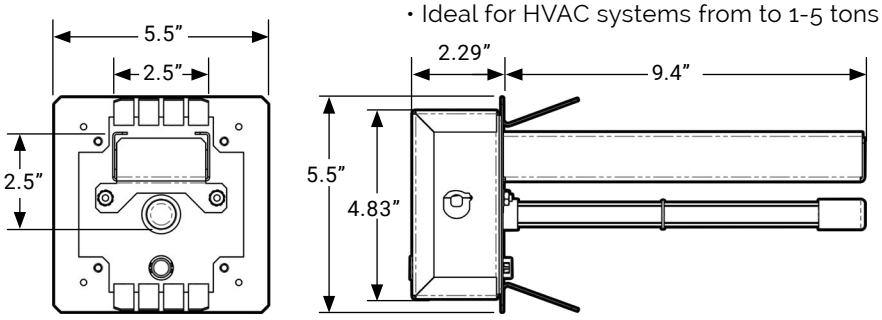


18-32 VAC MODELS
TUV-APCO-ER
TUV-APCO-ER2
TUV-APCO-DER
TUV-APCO-DER2

120-277 VAC MODELS
TUV-APCO-SIP2
TUV-APCO-DIP2

APCO RT

- High or low-voltage remote power supply
- Requires only 10" clearance within the duct
- Ideal for HVAC systems from to 1-5 tons

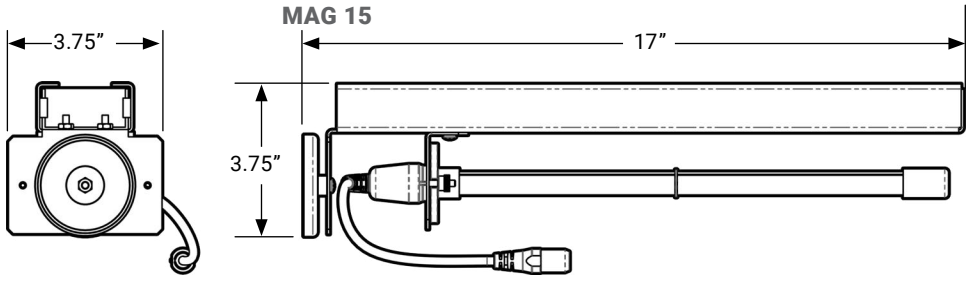


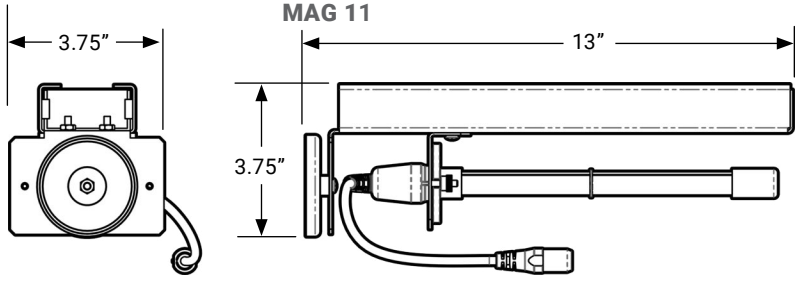
18-32 VAC RT MODELS
TUV-APCO-RT-ER2

120-277 VAC RT MODELS
TUV-APCO-RT-ST2
TUV-APCO-RT-DT2

APCO MAG

- High or low-voltage remote power supply
- Removable magnet for internal mounting
- Ideal for package units





18-32 VAC MAG 15 MODELS
TUV-APCO-MAG15-ER2

120-277 VAC MAG 15 MODELS
TUV-APCO-MAG15-DT2

18-32 VAC MAG 11 MODELS
TUV-APCO-MAG11-ER2

Original APCO Specs	
UV Lamp	254 nm germicidal UVC, quartz hot filament
Dimensions	Cell & Lamp: 5.8"W x 3.25"H x 13.2"D Enclosure: 7.6"L x 7.6"W x 2.2"D
ER models Electrical	18-32 VAC, 60 Hz, 0.68 Amps, 16 VA
SI DI models Electrical	120-277 VAC, 50/60 Hz, 0.41 amp/120V thru 0.18amp/277V
Pressure Drop	<0.01" w.c. @ 400 FPM
Warranty	Lifetime for all parts except lamp

Part Numbers		
18-32 VAC		Replacement Lamp
TUV-APCO-ER TUV-APCO-ER2	1 Year Lamp 2 Year Lamp	TUVL-115 TUVL-215
18-32 VAC with 2nd UV Lamp for Coils		Replacement Lamp
TUV-APCO-DER TUV-APCO-DER2	1 Year Lamp (2) 2 Year Lamp (2)	TUVL-115, TUVL-115P TUVL-215, TUVL-115P
120-277 VAC		Replacement Lamp
TUV-APCO-SI2-P	2 Year Lamp	TUVL-215
120-277 VAC with 2nd UV Lamp for Coils		Replacement Lamp
TUV-APCO-DI2-P	2 Year Lamps (2)	TUVL-215, TUVL-215P

APCO RT Specs	
UV Lamp	254 nm germicidal UVC, quartz hot filament
Dimensions	Cell & Lamp: 2.5"W x 2.5"H x 9.4"D Enclosure: 4.83"L x 4.83"W x 2.29"D
ER models Electrical	18-32 VAC, 60 Hz, 0.68 Amps, 16 VA
ST DT models Electrical	120-277 VAC, 50/60 Hz, 0.41 amp/120V thru 0.18amp/277V
Pressure Drop	<0.01" w.c. @ 400 FPM
Warranty	Lifetime for all parts except lamp

Part Numbers		
18-32 VAC		Replacement Lamp
TUV-APCO-RT-ER2	2 Year Lamp	TUVL-211
18-32 VAC with 2nd UV Lamp for Coils		Replacement Lamp
TUV-APCO-RT-ST2	2 Year Lamp (2)	TUVL-211
120-277 VAC with 2nd UV Lamp for Coils		Replacement Lamp
TUV-APCO-RT-DT2	2 Year Lamps (2)	TUVL-211, TUVL-215P

APCO Mag Specifications	
UV Lamp	254 nm germicidal UVC, quartz hot filament
PCO Cell	Advanced Monolithic Adsorptive PCO cell with proprietary absorption media and proven TiO2 photo-catalyst
Pressure Drop	<0.01" w.c. @ 400 FPM
Dimensions	APCO MAG11 5.5"W x 4"H x 13"D APCO MAG15 5.5"W x 4"H x 17"D
Pressure Drop	<0.01" w.c. @ 400 FPM
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, 0.41 amp/120V thru 0.18amp/277V High-voltage power-supply
Warranty	Lifetime for all parts except lamp

APCO Mag 11 Part Numbers		
18-32 VAC		Replacement Lamp
TUV-APCO-MAG11-ER2	2 Year Lamp	TUVL-211P

APCO Mag 15 Part Numbers		
18-32 VAC		Replacement Lamp
TUV-APCO-MAG15-ER2	2 Year Lamp	TUVL-215P
120-277 VAC		Replacement Lamp
TUV-APCO-MAG15-DT2	2 Year Lamp (2)	TUVL-215P

ETL Intertek CONFORMS TO STD 1598

FC THIS DEVICE COMPLIES WITH PART 18 OF THE FCC RULES.

EPA Est. Reg. No. 075179-FL-002

AHR EXPO INNOVATION AWARD WINNER 2011

UL VALIDATED ZERO OZONE EMISSIONS

FRESHAIREUV LIFETIME WARRANTY ALL PARTS EXCEPT LAMPS

FRESHAIREUV OZONE FREE

DESIGNED & ASSEMBLED IN THE U.S.A.