

# APCO

## ORIGINAL RT & MAG



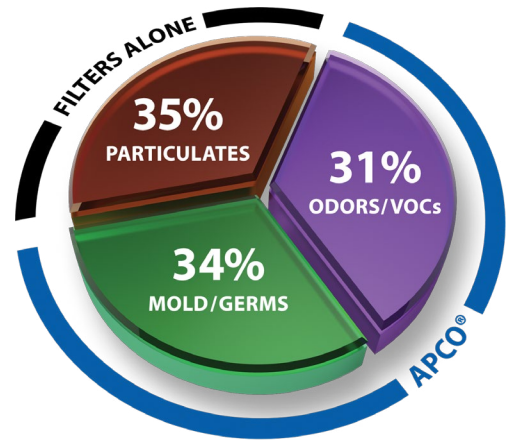
The original APCO® Whole-House Air Purifier cleans the air by combining UVC light and activated carbon; two technologies proven to be most effective at killing germs, and removing odors by reducing chemical vapors known as volatile organic compounds (VOCs). Some of them, like formaldehyde and acetone,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

### FEATURES

- Duct or magnet mount
- Easy to install
- Lifetime carbon cells
- Ozone-free
- Lifetime warranty

### BENEFITS

- Whole-house air purification
- Neutralizes odors & toxic VOCs
- Fights mold, bacteria, & viruses
- Improves indoor air quality
- Inhibits HVAC mold growth



Duct Mount RT  
(for smaller ducts)



Duct Mount



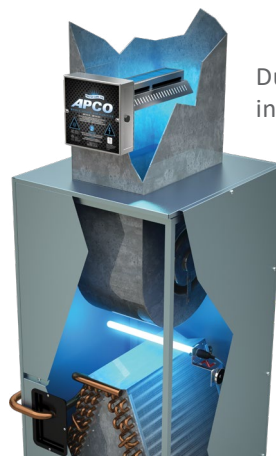
Magnet Mount 15



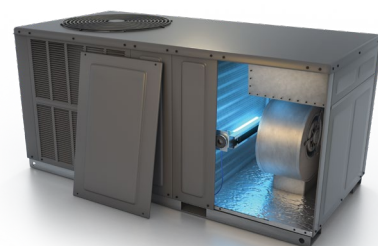
Magnet Mount 11



Duct Mount  
in furnace



Duct Mount Dual  
in air handler



Magnet Mount  
in package unit

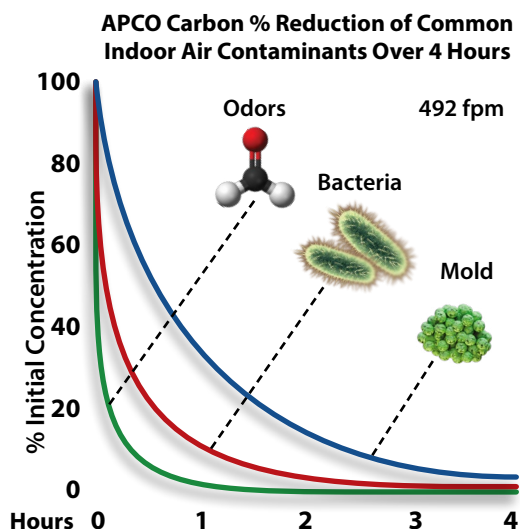
[WWW.FRESH-AIREUV.COM](http://WWW.FRESH-AIREUV.COM)

# APCO

## ORIGINAL RT & MAG

### 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.



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.

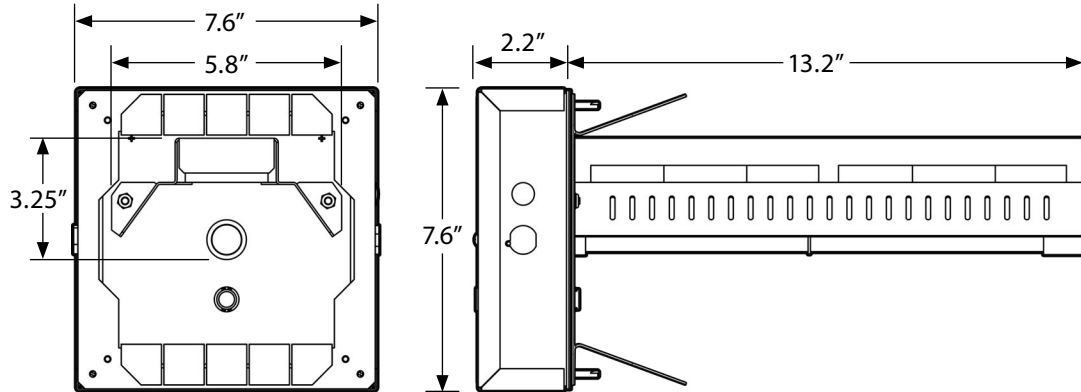
APCO TECHNICAL DATA	
UV Lamp	254 nm Germicidal UVC Spectrum Quartz Hot Filament
Carbon Cell	Advanced Monolithic Adsorptive Carbon cell with proprietary absorption media and proven TiO2 photo-catalyst
Cell per In2	16
Cell Surface Area	250 m2/gm
Bulk Density	1.44 gm/cm2
Pressure Drop	<0.01" w.c. @ 400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

# APCO ORIGINAL RT & MAG



## 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

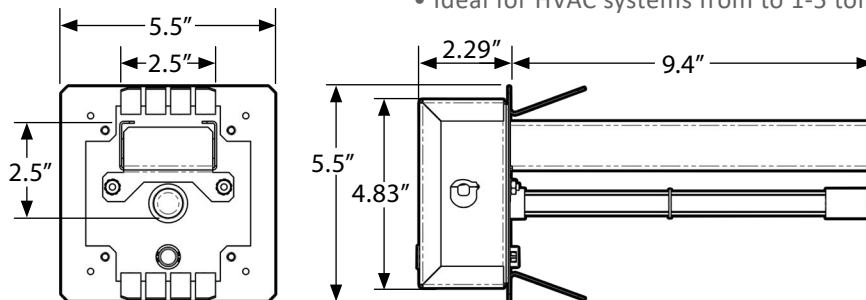
TUV-APCO-ER  
TUV-APCO-ER2  
TUV-APCO-DER  
TUV-APCO-DER2

### 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

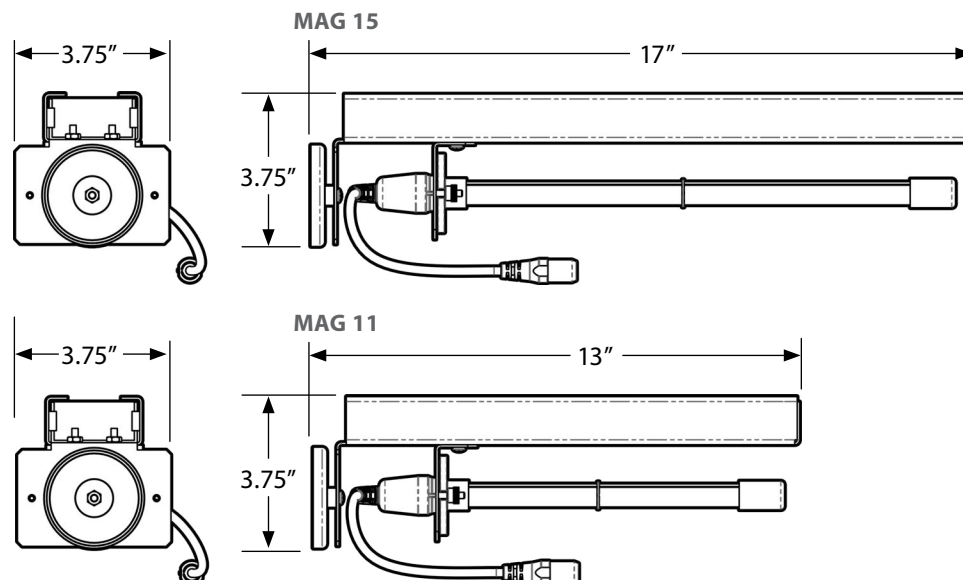
TUV-APCO-RT-ER2

### 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

# APCO ORIGINAL RT & MAG



## 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	1 Year Lamp	TUVL-115
TUV-APCO-ER2	2 Year Lamp	TUVL-215
18-32 VAC with 2nd UV Lamp for Coils	Replacement Lamps	
TUV-APCO-DER	1 Year Lamp (2)	TUVL-115 & TUVL-115P
TUV-APCO-DER2	2 Year Lamp (2)	TUVL-215 & TUVL-215P
120-277 VAC	Replacement Lamp	
TUV-APCO-SI2P	2 Year Lamp	TUVL-215
120-277 VAC with 2nd UV Lamp for Coils	Replacement Lamps	
TUV-APCO-DI2P	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 Lamps	
TUV-APCO-RT-ST2	2 Year Lamp (2)	TUVL-211
120-277 VAC with 2nd UV Lamp for Coils	Replacement Lamps	
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 Lamps	
TUV-APCO-MAG15-DT2	2 Year Lamp (2)	TUVL-215P



[WWW.FRESH-AIREUV.COM](http://WWW.FRESH-AIREUV.COM)

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DESIGNED &  
ASSEMBLED  
IN THE U.S.A.

TUV-APCO-COMBINED SPECS 081821