

# PATRIOT CARBON UV

## AIR TREATMENT SYSTEM

Introducing our most advanced whole-house air treatment system yet. Carbon UV is the result of ten years of development. It has revolutionized indoor air quality with significantly improved performance, functionality, and reliability.

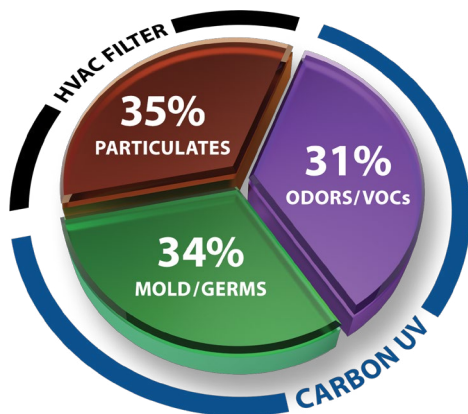
## FEATURES

- 33% more effective than previous model in laboratory tests
- V-Twin carbon element with 65% more effective surface area
- Proprietary carbon cells with antimicrobial nanotechnology
- 3 year UVC lamp
- LED status and lamp fault indicator
- Translucent polycarbonate housing
- Face-plate rotates for 90° installation



## BENEFITS

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



## NEUTRALIZE VIRUSES & VOCs

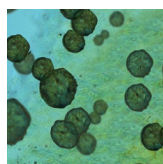
### Sterilizes Microbes & Neutralizes Odors/VOCs



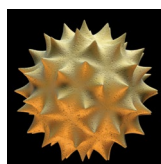
VIRUSES



BACTERIA



MOLD



ALLERGENS



PET ODORS



TOBACCO

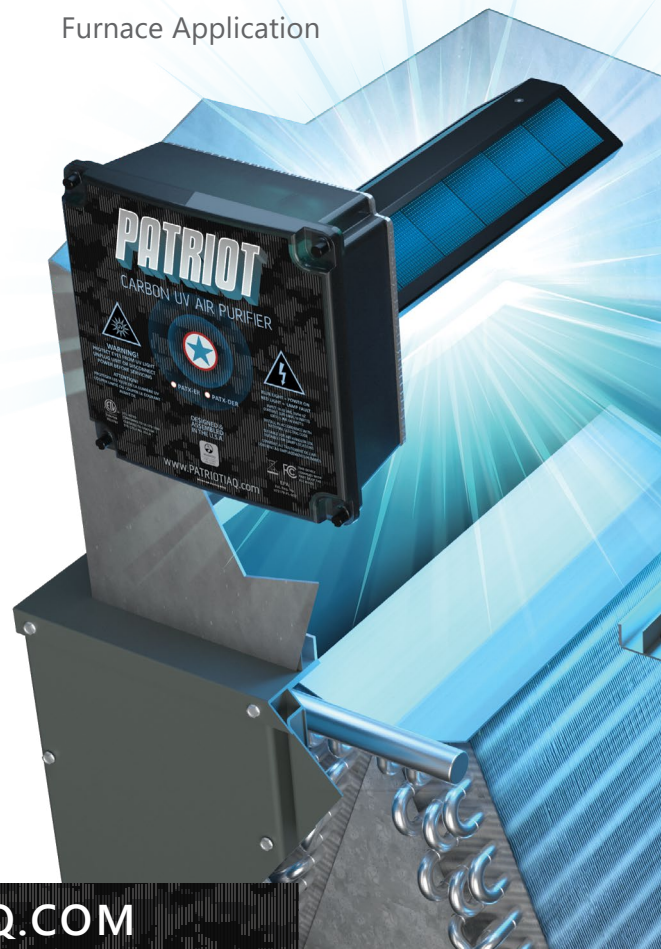


FOOD SMELLS



CHEMICALS

### Furnace Application



[WWW.PATRIOTIAQ.COM](http://WWW.PATRIOTIAQ.COM)

# PATRIOT CARBON UV

## AIR TREATMENT SYSTEM

An entirely new V-Twin Carbon Matrix™ takes Patriot Carbon UV to a new level of air treatment. The new configuration includes an antimicrobial nanotech coating and 65% more effective carbon surface area resulting in a 33% improvement in performance compared to the original carbon system.



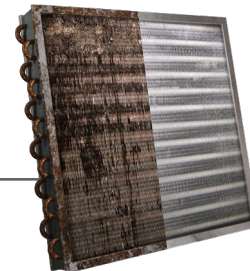
Air Handler Application

Carbon UV sterilizes biological contaminants and neutralizes odors and toxic VOCs

Coil with Mold

Carbon UV Dual systems include a 2nd UV light for coil disinfection

Polarized Air Cleaner (optional polarized filter) captures particulates down to .3 microns (.00001 inch).



Coil with UV Light



Validated  
Ozone-Free  
by UL

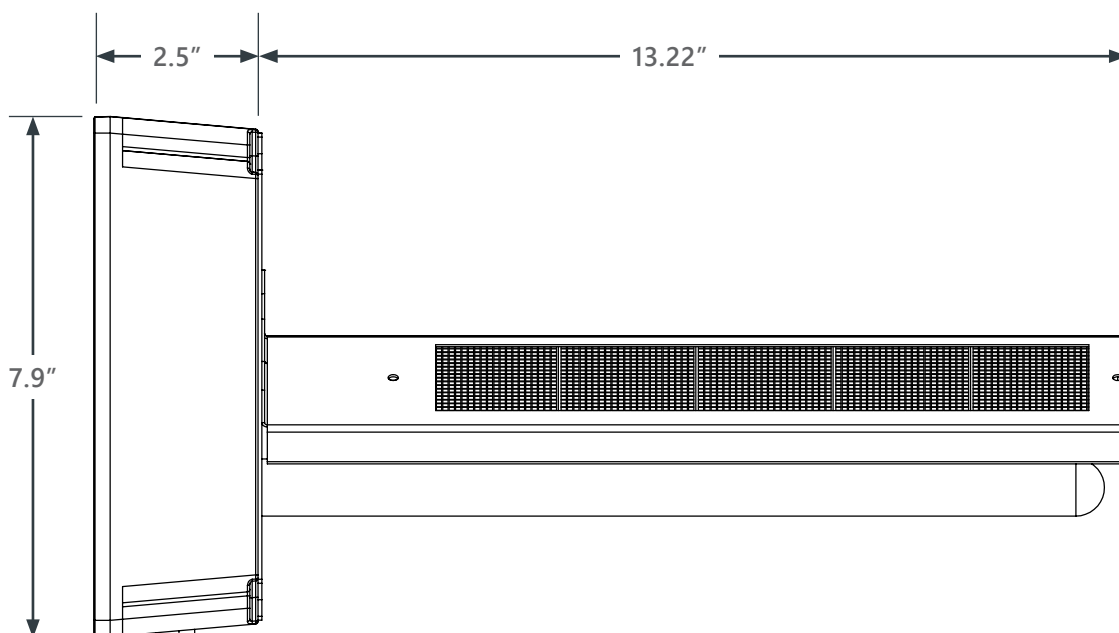
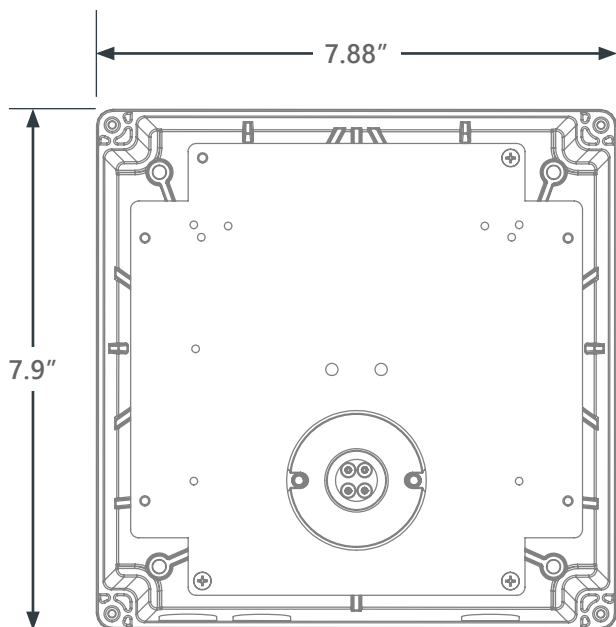




# PATRIOT CARBON UV

## AIR TREATMENT SYSTEM

### SPECS



#### Carbon UV 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,  
0.51 Amps/120V Thru 0.22 Amps/277V

**Pressure Drop** <0.01" w.c. @ 400 FPM

**Warranty** Lifetime for all parts except lamp

#### Part Numbers

18-32 VAC		Replacement Lamp
PAT-PCOX-ER3	3 Year Lamp	TUVL-315
18-32 VAC with 2nd UV Lamp for Coil		Replacement Lamps
PAT-PCOX-DER3	3 Year Lamp (2)	TUVL-315
120-277 VAC		Replacement Lamp
PAT-PCOX-SI3P	3 Year Lamp	TUVL-315
120-277 VAC with 2nd UV Lamp for Coil		Replacement Lamps
PAT-PCOX-DI3P	3 Year Lamp (2)	TUVL-315

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

DESIGNED &  
ASSEMBLED  
IN THE U.S.A.

WWW.PATRIOTIAQ.COM

PATX-SPECS 051821