

# FRESH-AIRE UV<sup>®</sup> PURITY<sup>™</sup>

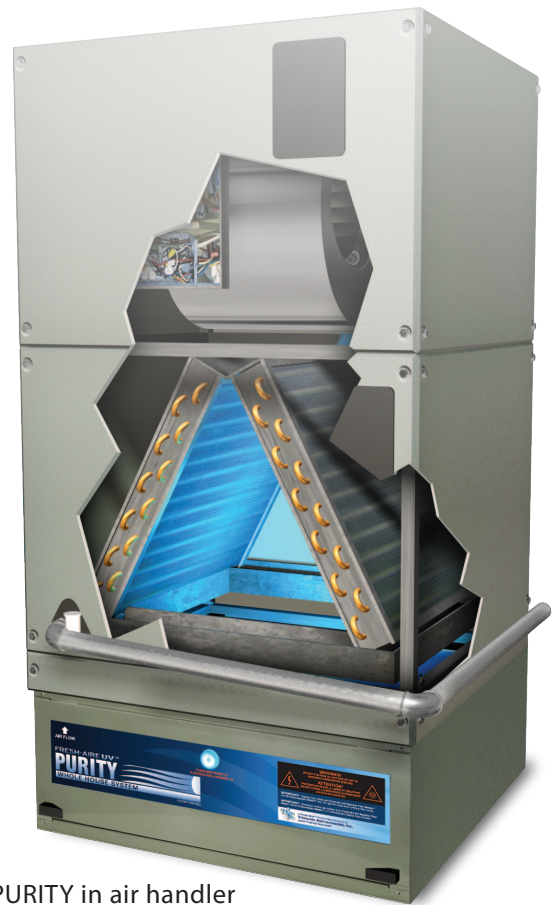
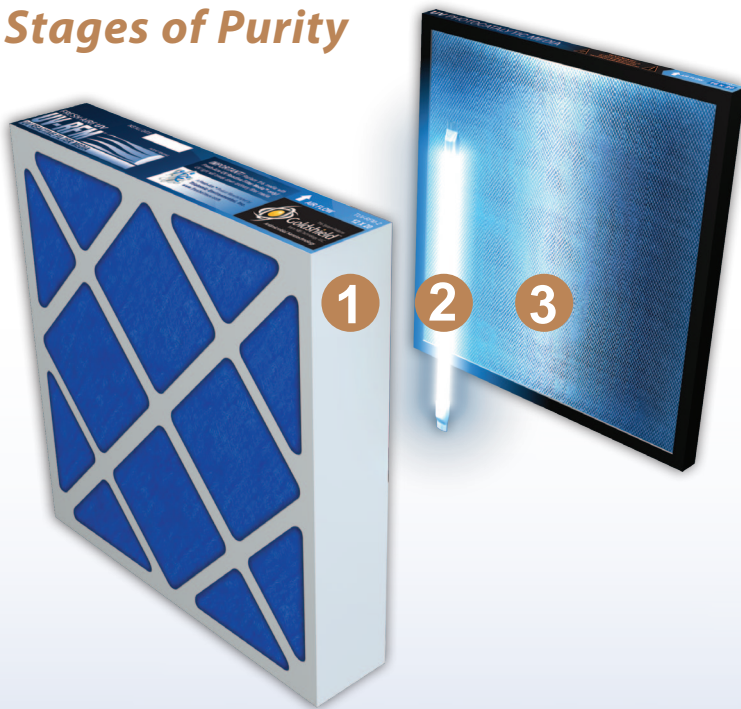
## WHOLE HOUSE SYSTEM

### Ultimate Whole House UV Filtration System

The FRESH-AIRE UV<sup>®</sup> PURITY germicidal ultraviolet light and filtration system offers the ultimate enhancement to indoor air quality. The system features not one but three unique technologies that actively reduce airborne microbial contaminants.

FRESH-AIRE UV<sup>®</sup> PURITY is energy efficient, easy to install and maintain and is available in all common sizes.

### 3 Stages of Purity



PURITY in air handler

#### 1 UV Reactive Filter<sup>™</sup> FILTRATION

Efficient MERV 11 filter media kills germs with Goldshield<sup>™</sup> antimicrobial nanotechnology

Works with UV Lights to trap and destroy contaminants

Will not degrade from exposure to UV-C light

#### 2 Germicidal UV Light STERILIZATION

Destroys mold, bacteria, viruses etc.

Safe & Effective

Lamp kills germs and neutralizes odors

#### 3 UV Photocatalytic Media ODOR CONTROL

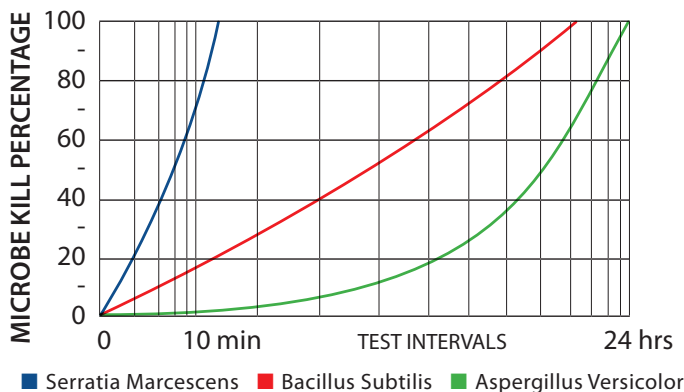
Enhances effect of UV

Destroys odor molecules

Chemical free

### UV Antimicrobial Effectiveness

Captured Microbe Cultures Exposed To UV Light



## Specifications

### ELECTRICAL

#### Internal Power Supply

Standard Plug In  
Auto Switching Multi-Voltage  
120 - 277 VAC, 0.51-0.22 Amps

#### Remote Power Supply

Auto Switching Multi-Voltage:  
120 - 277 VAC, 0.51-0.22 Amps  
or  
ER Low Voltage: 18-32 VAC, 60 Hz, 0.68 Amps, 16 VA

### AIR HANDLER HOUSING DIMENSIONS

Filter	Housing
12 x 20 x 4	14.00 x 22 x 8
12 x 20 x 4	14.25 x 22 x 8
16 x 20 x 4	17.50 x 22 x 8
18 x 20 x 4	19.75 x 22 x 8
18 x 20 x 4	21.00 x 22 x 8
20 x 20 x 4	22.50 x 22 x 8
22 x 20 x 4	24.50 x 22 x 8

### GAS FURNACE HOUSING DIMENSIONS

Filter	Housing
12 x 25 x 4	14.00 x 28 x 8
16 x 25 x 4	17.50 x 28 x 8
18 x 25 x 4	21.00 x 28 x 8
20 x 25 x 4	24.50 x 28 x 8

### UV REACTIVE FILTER MEDIA

Media Type	UV Reactive Fiber
Efficiency	MERV 11
Enhancement	Goldshield™ Antimicrobial Surface
Replacement	Part # TUV-PRT-MF4-xyyy

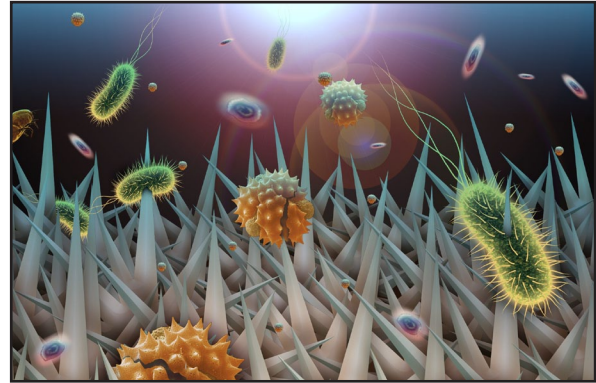
### UV PHOTOCATALYTIC MEDIA

Media Type	PCO Coated Fiber
UV Lamp	90% 254 NM Germicidal UVC 10% 185 NM Odor Oxidation Unshielded Quartz Hot Filament 2 Years Effective Life

### WARRANTY

Lamp	2 Years
Housing	5 Years 10 Years with Registration

## FRESH-AIRE UV PURITY WHOLE HOUSE SYSTEM



Microbes are destroyed by microscopic structure of **Goldshield™**



This system features **Goldshield™** a unique, breakthrough technology that is applied to our **UV Reactive Filter Media**. Airborne microbial contaminants that come in contact with the filter surface are destroyed by the microscopic structure of the **Goldshield™** process.



**Goldshield™** is the first water-based, non-toxic, non-leaching application of nanotechnology proven effective against a wide variety of microbial contamination which is the third leading cause of mortality in the U.S., according to the Centers for Disease Control.

Available From:



**FRESH-AIRE™** products are manufactured by:  
**TRIATOMIC ENVIRONMENTAL, INC.**  
sales@freshaireuv.com  
**800-741-1195**



**WWW.FRESHAIREUV.COM**