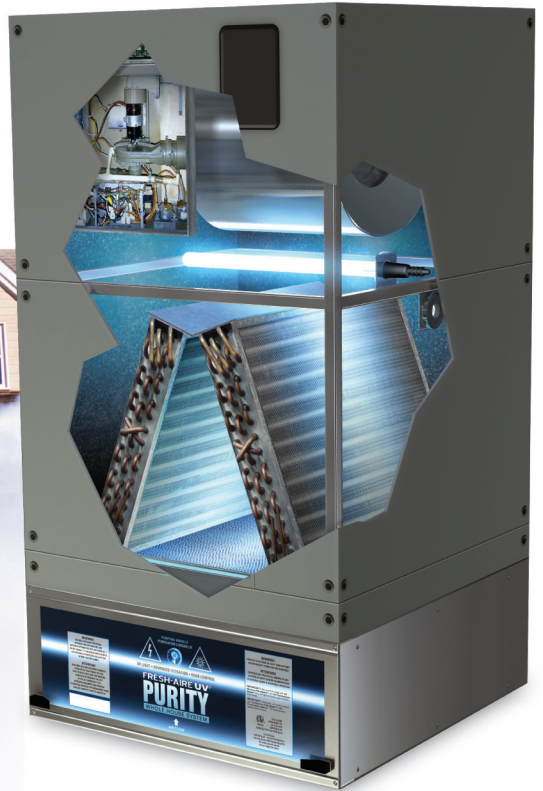
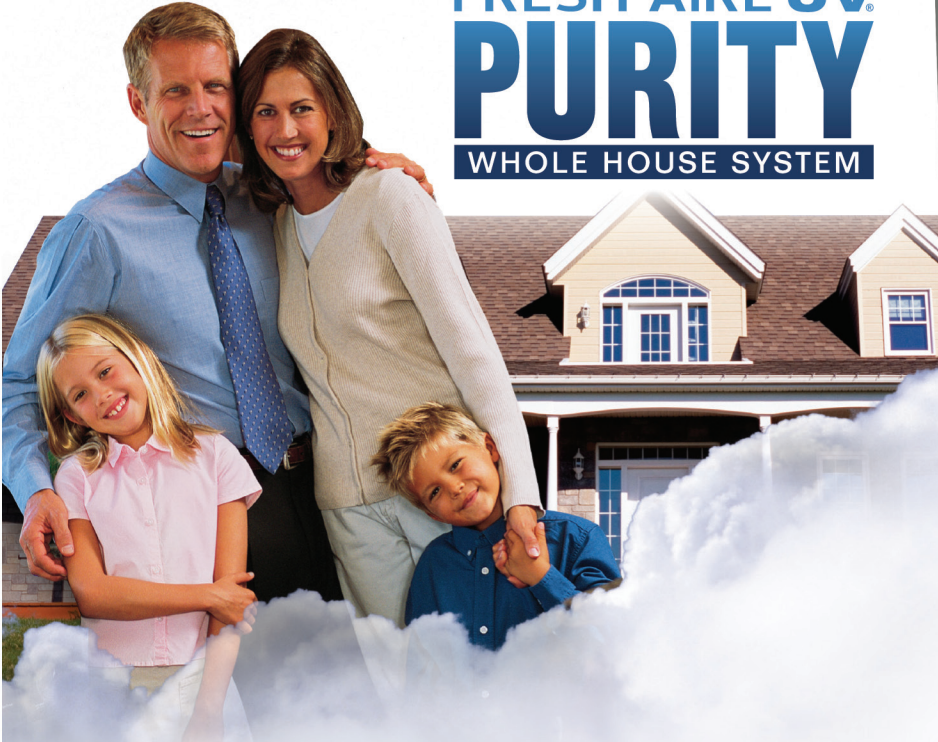


# FRESH-AIRE UV<sup>®</sup> PURITY<sup>®</sup> WHOLE HOUSE SYSTEM



PURITY in air handler with optional second Fresh-Aire UV light above the coils

## The Comprehensive Clean Air Solution

The FRESH-AIRE UV<sup>®</sup> PURITY WHOLE HOUSE 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.

## CLEAN AIR IN 3 STAGES

### 1 FILTRATION

#### UV Reactive Filter

This highly efficient filter media, which features revolutionary Goldshield™ antimicrobial nanotechnology, is designed to withstand exposure to UV-C light and to react with it to trap and kill more germs.

### 2 STERILIZATION

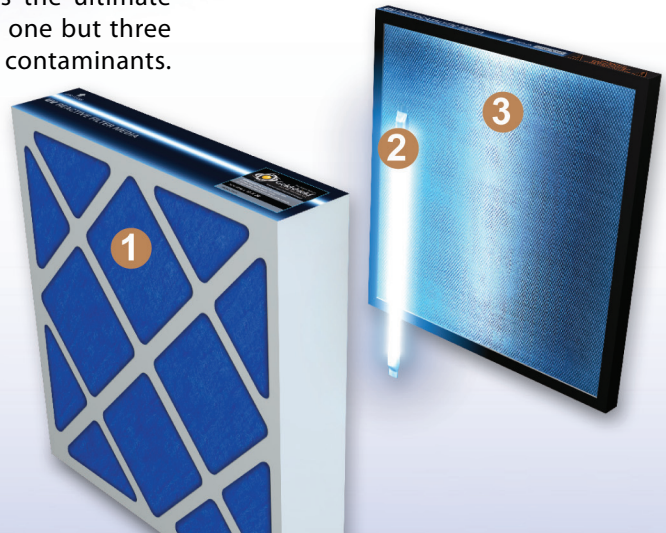
#### Germicidal UV Light

UVC light is a proven technology that kills germs on surfaces and in the air as they pass by. The Fresh-Aire UV<sup>®</sup> light in Purity works with the filter media for maximum effect.

### 3 ODOR CONTROL

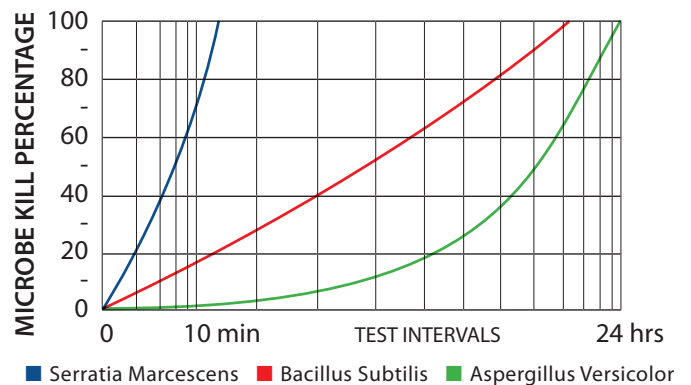
#### UV Photocatalytic Media

Volatile organic compounds (VOCs) are the source of nearly all household odors and include toxic chemical vapors from building materials, solvents, and plastics. UV light shining on this secondary filter creates a photocatalytic reaction which transforms VOCs into harmless water vapor and CO<sub>2</sub>.



## UV Antimicrobial Effectiveness

### Captured Microbe Cultures Exposed To UV Light



## PURITY Specifications

POWER SUPPLY	
Wall plug auto switching multi-voltage (SP) 120 - 277 VAC, 0.51-0.22 Amps	
Remote auto switching multi-voltage (ST) 120 - 277 VAC, 0.51-0.22 Amps	
Remote low voltage (ER) 18-32 VAC, 60 Hz, 0.68 Amps, 16 VA	
AIR HANDLER HOUSING DIMENSIONS	
Part Numbers	Dimensions
TUV-PRT-(ER/ST/SP)-14	14" W x 22" D x 8" H
TUV-PRT-(ER/ST/SP)-17.5	17.5" W x 22" D x 8" H
TUV-PRT-(ER/ST/SP)-19.75	19.75" W x 22" D x 8" H
TUV-PRT-(ER/ST/SP)-21	21" W x 22" D x 8" H
TUV-PRT-(ER/ST/SP)-22.5	22.5" W x 22" D x 8" H
TUV-PRT-(ER/ST/SP)-24.5	24.5" W x 22" D x 8" H
GAS FURNACE HOUSING DIMENSIONS	
Part Numbers	Dimensions
TUV-PRT-(ER/ST/SP)-14F	14" W x 28" D x 8" H
TUV-PRT-(ER/ST/SP)-17.5F	17.5" W x 28" D x 8" H
TUV-PRT-(ER/ST/SP)-21F	21" W x 28" D x 8" H
TUV-PRT-(ER/ST/SP)-24.5F	24.5" W x 28" D x 8" H
UV REACTIVE FILTER MEDIA	
Media Type	UV Reactive Fiber
Efficiency	MERV 11
Static Pressure	0.2 in. w.c. nominal
Enhancement	Goldshield™ Antimicrobial Surface
Replacement	Part # TUV-RFM-4-xyyy
UV PHOTOCATALYTIC MEDIA	
Media Type	PCO Coated Fiber
UV Lamp (TUVL-200F-OS)	90% 254 NM Germicidal UVC 10% 185 NM Odor Oxidation Unshielded Quartz Hot Filament 2 Years Effective Life
Replacement	Part # TUV-PRT-FM 25" x 25" sheet
WARRANTY	
Lamp	2 Years
Housing	5 Years 10 Years with Registration

 Made in USA



Manufactured by Triatomic Environmental, Inc.

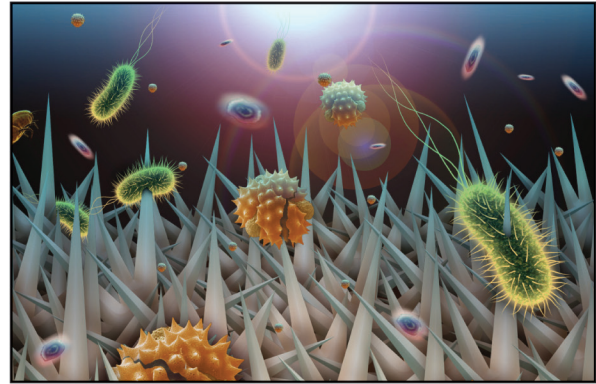
[WWW.FRESH-AIREUV.COM](http://WWW.FRESH-AIREUV.COM)

[sales@freshaireuv.com](mailto:sales@freshaireuv.com)



# FRESH-AIRE UV<sup>®</sup> PURITY

## WHOLE HOUSE SYSTEM



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



**Goldshield™**  
from NBS Technology, LLC.

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: