FRESH-AIRE UV®

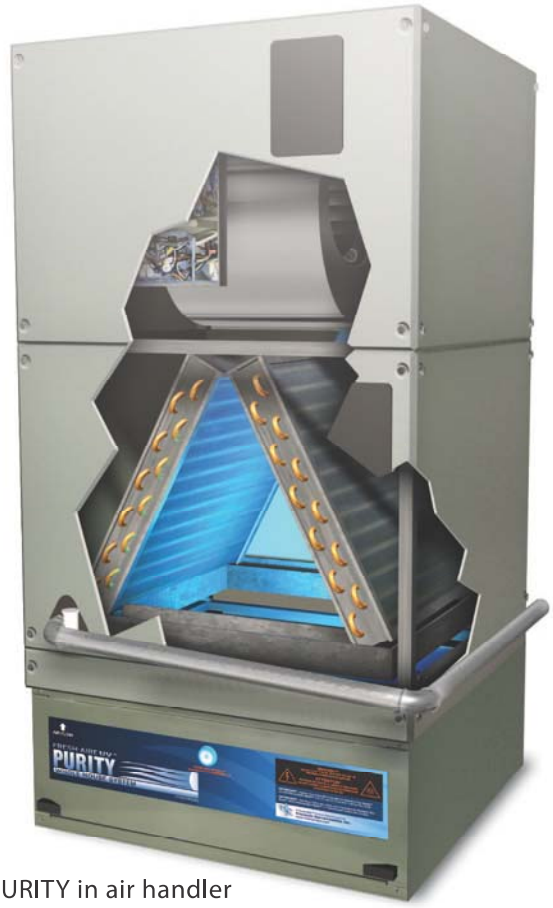
PURITY

WHOLE HOUSE SYSTEM

Ultimate Whole House
UV Filtration System

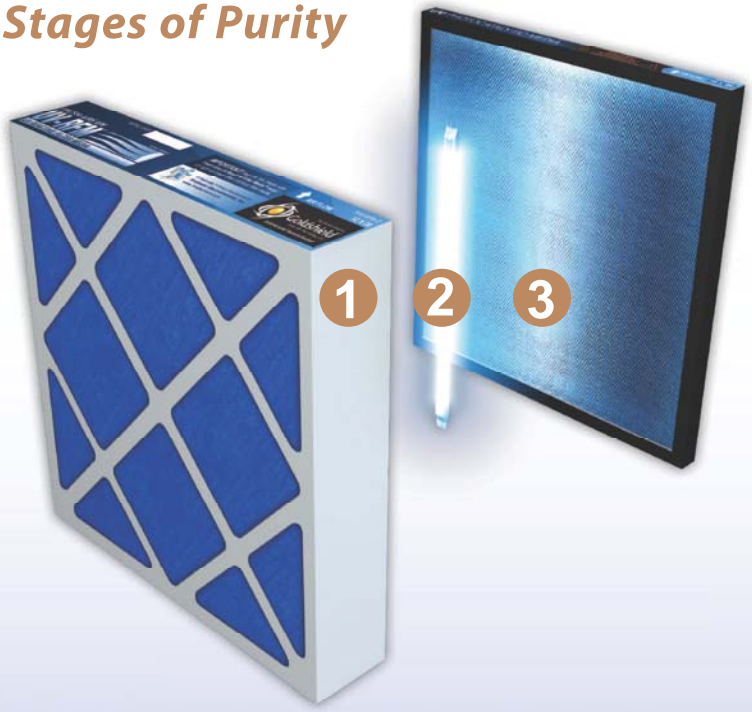
The FRESH-AIRE UV® PURITY germicidal ultraviolet light and filtration system offers the ultimate enhancement to indoor air quality. The system features not one but three unique technologies that actively reduce airborne microbial contaminants.

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



PURITY in air handler

3 Stages of Purity



1 UV Reactive Filter™ FILTRATION

Efficient MERV 11 filter media kills germs with Goldshield™ 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

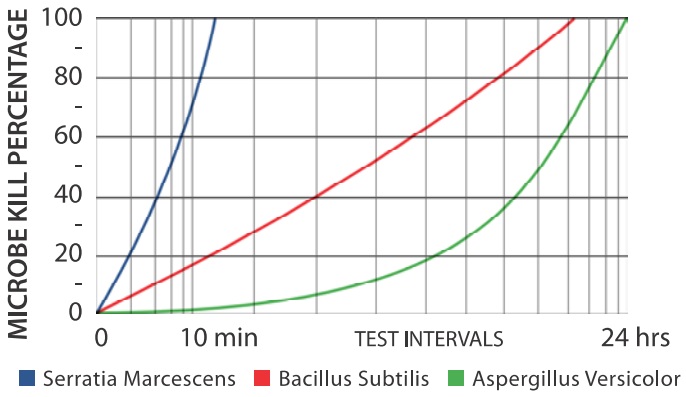
3 UV Photocatalytic Media ODOR CONTROL

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-xxyy

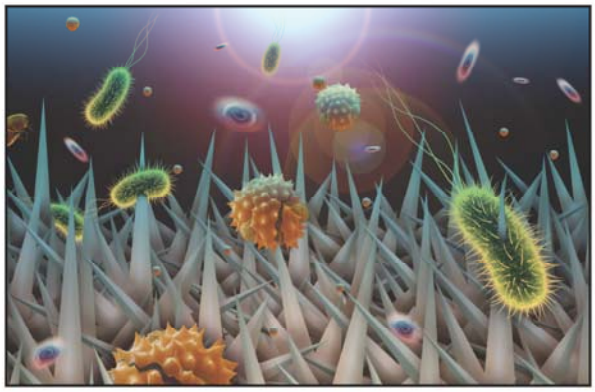
UV PHOTOCATALYTIC MEDIA

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™**

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:

TRIATOMIC ENVIRONMENTAL

FRESH-AIRE™ products are manufactured by:
TRIATOMIC ENVIRONMENTAL, INC.
sales@freshaireuv.com
WWW.FRESHAIREUV.COM

© 2010 Triatomic Environmental Inc.