PURITY

FRESH-AIRE UV®
The Indoor Air Quality Expert

WHOLE HOUSE

Purity Whole House installed in air handler

COMPREHENSIVE CLEAN AIR SOLUTION

The Fresh-Aire UV 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® PURITY is energy efficient, easy to install and maintain, and is available in all common sizes.
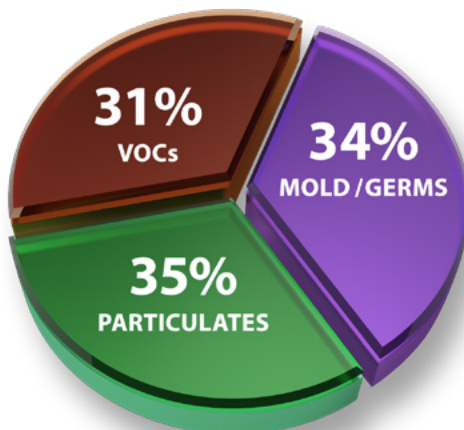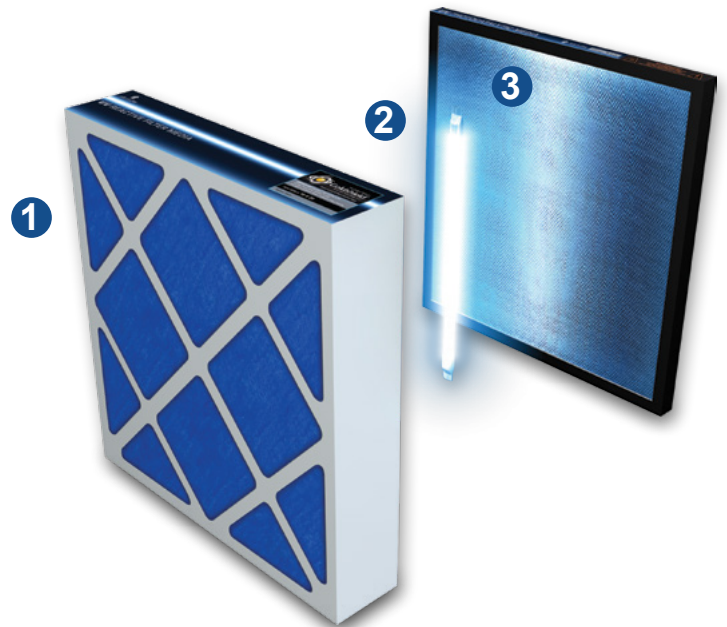
CLEAN AIR IN 3 STAGES

❶ 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.

❷ 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® light in Purity works with the filter media for maximum effect.

❸ 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_2.

31% VOCs
34% MOLD/GERMS
35% PARTICULATES

INDOOR AIR POLLUTION

According to the EPA indoor air pollution is divided roughly into thirds, Purity Whole House reduces all three.

Cooke Industries - Phone: +64 9 579 2185   Email: sales@cookeindustries.co.nz   Web: www.cookeindustries.co.nz
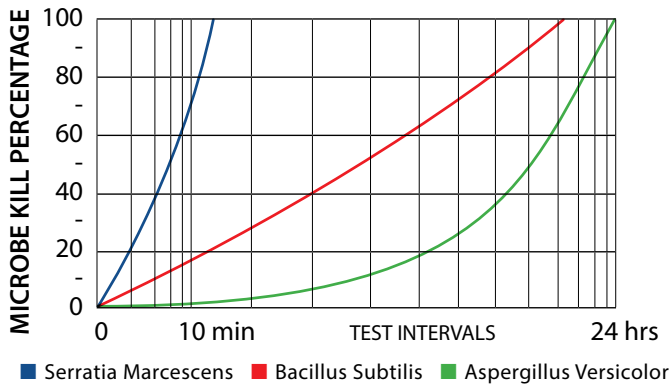
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UV Antimicrobial Effectiveness
Captured Microbe Cultures Exposed To UV Light

■ Serratia Marcescens   ■ Bacillus Subtilis   ■ Aspergillus Versicolor

Static Pressure

- 16 x 20
- 16 x 25 / 20 x 20
- 20 x 25

Purity Whole House Specs

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 Number	Dimensions
TUV-PRT-(ER/ST/SP)-14	14"W x 22"D x 8"H
TUV-PRT-(ER/ST/SP)-17.51	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

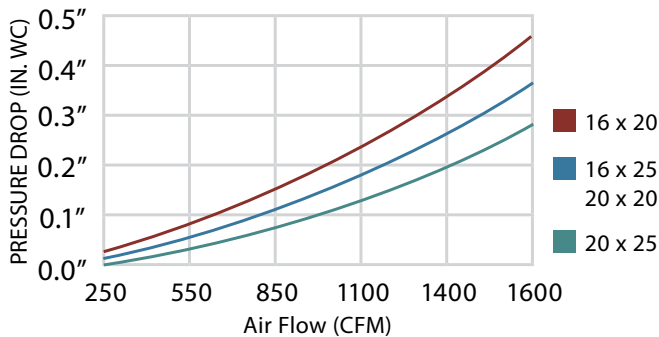| Part Number	Dimensions
TUV-PRT-(ER/ST/SP)-14F	14" W x 28" D x 8" H
TUV-PRT-(ER/ST/SP)-17.5F	17.5" W x 28" D x 8" H
TUV-PRT-(ER/ST/SP)-21F	21"W x 28"D x 8" H
TUV-PRT-(ER/ST/SP)-24.5F	24.5"W x 28"D x 8" H

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-xxyy

UV Photocatalytic Media

Media Type	PCO Coated Fiber
UV Lamp	254 NM Germicidal UVC
(TUVL-200F)	Unshielded Quartz Hot Filament 2 Years Effective Life
Replacement	Part # TUV-PRT-FM 25" x 25" sheet

Warranty

FRESH-AIRE UV® OZONE OZONE-FREE

ALL PARTS LIFETIME WARRANTY EXCEPT MEDIA