



DUO WHOLE HOUSE AIR PURIFIERS
PROTECT YOUR FAMILY'S HEALTH WITH AIR THAT IS
FRESH & PURE

HEALTHY HOME SYSTEM DUO



WHOLE HOUSE PURIFIER

Applied science combining high intensity Ultraviolet C (UVC) germicidal light with the Patented PRO-Cell™ Technology and AirFresh™ Carbon Adsorption Panels.

UVC GERMICIDAL REDUCTION ENERGY

High intensity UVC germicidal light reduces airborne bacteria, viruses, mold, and fungi bringing the purification power of the sun into the home.

PATENTED PRO-CELL™ TECHNOLOGY

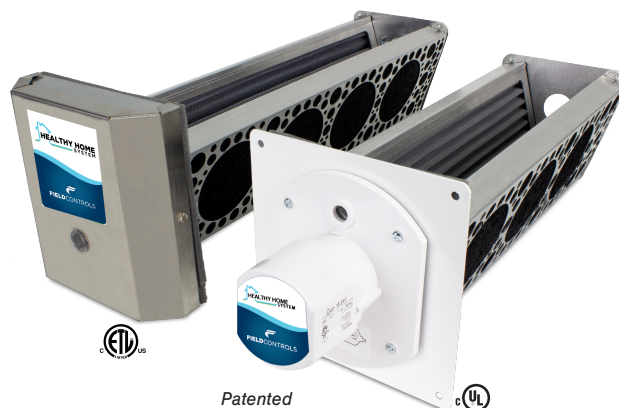
Works similar as a catalytic converter on your car. The DUO's PRO-Cell™ catalytic aluminum substrate is exposed to UVC light as volatile organic compounds (VOCs) and odors are transformed into harmless water vapor and carbon dioxide. The AirFresh™ Carbon Adsorption Panels is an added defense at reducing odors.

WHAT IS VOC?

A VOC is an organic or carbon-based gas which is typically, quite poisonous, or toxic. Many VOCs are highly carcinogenic or cancer inducing. These chemicals appear in homes from off-gassing of common household cleaners, furniture, and building materials.

CDC AND ASHRAE RECOMMENDATIONS

The Center for Disease Control and Prevention (CDC) recommends the use of UVGI as an effective technology to minimize the spread of airborne microorganisms. The American Society of Heating and Air Conditioning Engineers (ASHRAE) has addressed concerns of contagious viral disease transmission with recommended mitigation strategies that include dilution, fresh air ventilation, filtration, and UVGI.



Features

- UVC Germicidal Lamp
- Patented PRO-Cell™ Technology
- AirFresh™ Carbon Odor Adsorption
- Virtually maintenance free
- Easy to install
- Five models (120V or 24V)



VERIFIED
ZERO OZONE

MEETS UL 2998
DOES NOT EMIT MORE THAN
0.005 PPM AS TESTED
PER UL 867

Healthy Home System® products do not generate ozone.

Ozone is a toxic gas which can damage the lungs. Even small amounts can cause chest pain, coughing, shortness of breath, and throat irritation.

Ozone may also worsen chronic respiratory diseases such as asthma and compromise the ability of the body to fight respiratory infections.

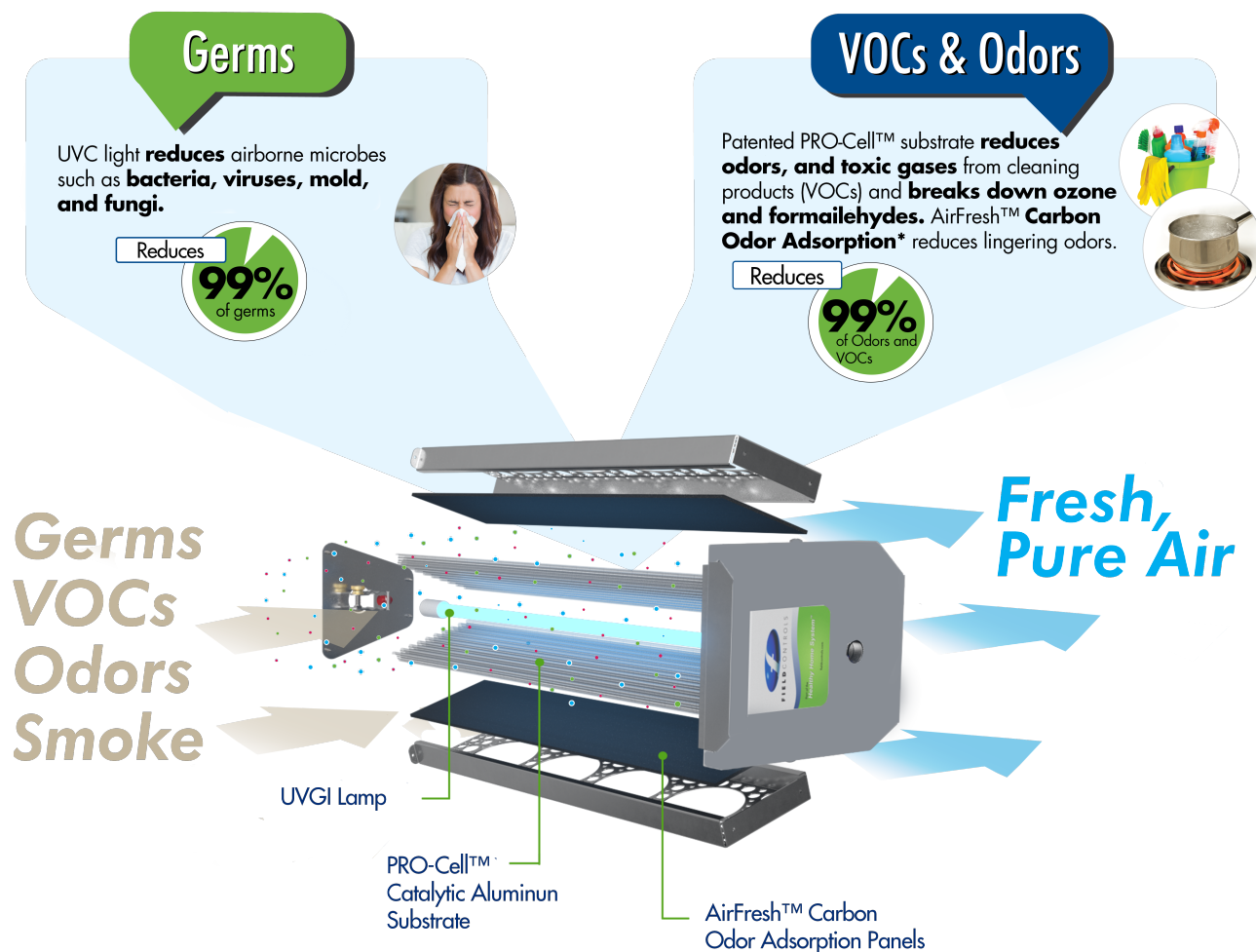
Beware of Misleading Terms

- Energized oxygen
- Singulet oxygen
- Plasma
- Activated oxygen
- Friendly oxidizers
- Ionization

Visit the EPA's website for more information
www.epa.gov/iaq/pubs/ozonegen.html

IN-DUCT AIR PURIFIERS

Protect your family's health and make your HVAC run efficiently with the Healthy Home System DUO!



UVGI Germicidal Lamp

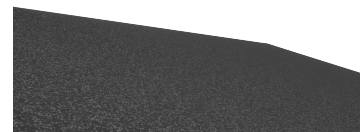
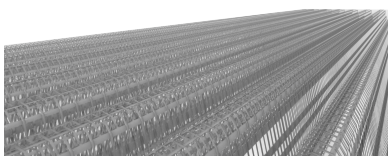
Ultraviolet germicidal irradiation is a disinfection method that uses short-wavelength ultraviolet light to reduce microorganisms by destroying nucleic acids and disrupting their DNA, leaving them unable to perform vital cellular functions.

PRO-Cell™ Catalytic Aluminum Substrate

PRO-Cell features a unique catalytic aluminum substrate to increase surface area and the catalytic output exponentially while magnifying the effectiveness of the UVC light. PRO-Cell is maintenance free.

AirFresh™ Carbon Odor Adsorption Panel

Activated carbon removes unwanted odors by acting as an adsorbent which will trap the odor inside the activated carbon and retain it. Activated carbon is excellent at removing unwanted and harmful odors, pollutants, and VOCs.



INNOVATIVE BI•ANALYSIS

creating solutions | getting results

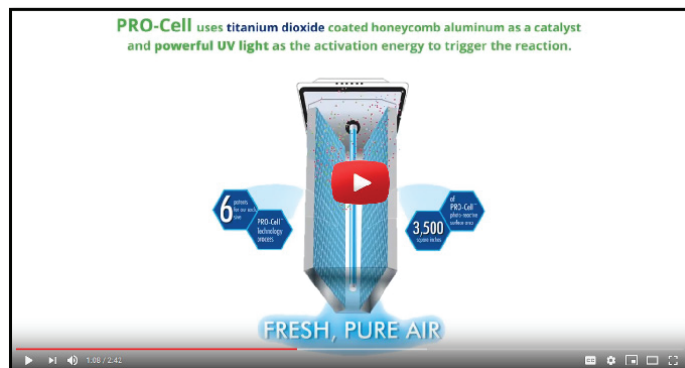
Model **Duo-2000**
with **PRO-Cell™ Technology** showed
significant capabilities in
neutralizing active SARS-CoV-2
USA-CA1/2020, indicating a **99.99%**
net reduction after 2.5 seconds of
exposure to the UV-C lamp.

Air Quality Survey

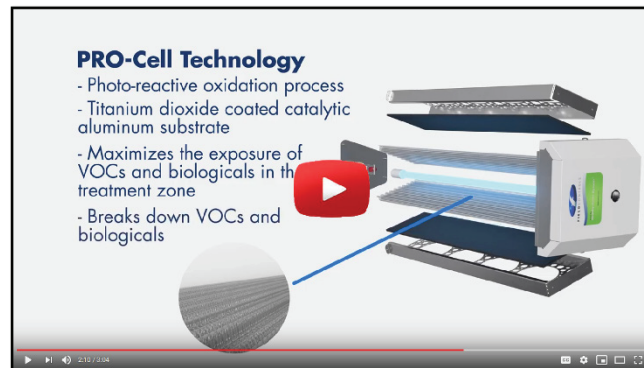
Yes No

1. Do you have concerns about airborne bacteria, viruses, mold, and fungi? ☐ ☐
2. Do you or a family member have allergies, asthma, or any respiratory ailment? ☐ ☐
3. Do respiratory illnesses cost you and your family time and money? ☐ ☐
4. Do you sometimes suffer from sinus infections, fatigue, or eye irritation while at home? ☐ ☐
5. Do cooking odors seem to linger for excessive periods of time? ☐ ☐
6. Does your home ever smell stale or musty? ☐ ☐

If you answered yes, to any of the above questions, call your Healthy Home System Specialist for a customized IAQ solution.



Learn more at fieldcontrols.com/pro-cell-technology



Learn more at fieldcontrols.com/duo

DUO™ WHOLE HOUSE AIR PURIFIER MODELS

Model	Sizing (tons)	Voltage	Lamp Intensity			Bacterial Germicidal Reduction	Toxic Gas Reduction (VOCs)	Pressure Drop (in WC)
			($\mu\text{W}/\text{cm}^2@1\text{m}$)	($\mu\text{W}/\text{cm}^2@1\text{in}$)	($\mu\text{W}/\text{cm}^2@0\text{in}$)			
DUO-2000	1.5 to 5.0	120/230	135	17,145	47,790	99%	99.3%	.02
DUO-16/120V	1.5 to 5.0	120	62	7,874	21,948	99%	99.3%	.02
DUO-16/24V	1.5 to 5.0	24	62	7,874	21,948	99%	99.3%	.02
DUO-14/24V	1.5 to 4.0	24	57	7,239	20,178	99%	99.3%	.017
DUO-11/24V	1.5 to 3.0	24	43	5,461	15,122	99%	99.3%	.015