

Welcome to “Wildfire Smoke & Your Health”

INSERT DATE

Agenda

- Introduction
- Presentation by Dr. Mark Ereth, Mayo Clinic
- Question & Answer
- Closing Remarks

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SecureAire™

Wildfire Smoke & Your Health

Dr. Mark Ereth, MD
Professor Emeritus, Mayo Clinic
Chief Medical Officer, SecureAire Technology

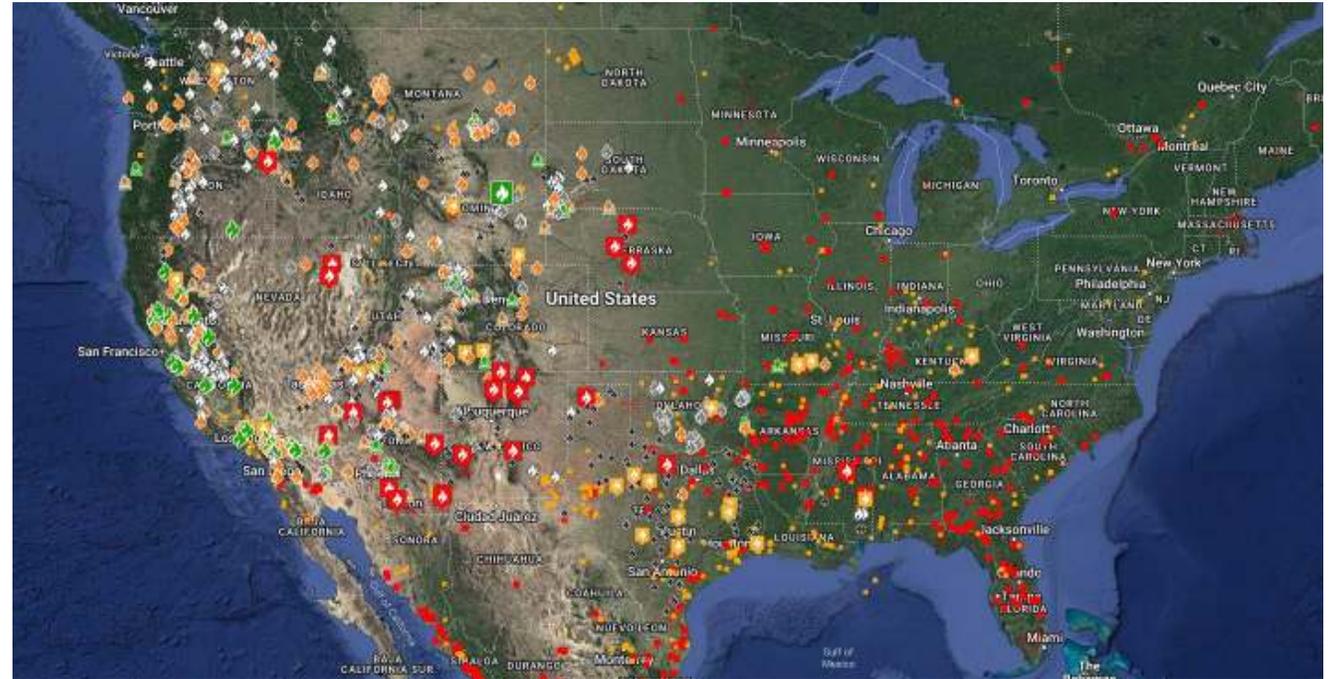
Webinar – July 2022



The 2022 Wildfire Season is Severe

So far this year, 35,711 wildfires have burned over 4.8 million acres - well above the 10-year average.

Wildfires now account for up to 50% of the dangerous “ultrafine” particles in the air.



Where there's fire, there's smoke – and it can be deadly.

Wildfires can spread dangerous “ultrafine” particles for up to **1,000 miles**.

Pollution from combustion – including fires – is deadly.

This pollution directly causes:

- 19% of deaths resulting from heart problems
- 21% of deaths due to stroke
- 16% of all dementia, cancer and other lung diseases



Some Americans are Especially Vulnerable

37 Million Americans have a chronic lung condition

One in five Americans have respiratory allergies

Pregnant women, babies, and young children also face unique risks

Protect Yourself and Your Family

Step 1: Understand your risk

Monitor your local air quality with tools like the EPA's AirNow App – available on the app store.

Even if you may not have worried about wildfires or smoke in prior years, now is a good time to monitor your air quality outdoors and indoors.



TRACK SMOKE AND WILDFIRES NEAR YOU

Using the AirNow Mobile App



-  Head to your phone's app store and search AirNow to download
-  Type in your ZIP code or city for more smoke and fire information near you

www.epa.gov

Protect Yourself and Your Family

Step 2: Follow the CDC's recommendations during wildfire events

Most importantly, and obviously, keep the smoke out of your lungs

- Close windows and doors
- Choose a room to close off further from outdoor air
- Wear an N95 mask any time smoke is present (even if you can't see it)

Use air purification technology – consistent with EPA guidance

- The EPA recommends using “proven methods of controlling indoor air pollution”
- Avoid air cleaners which generate ozone

Protect Yourself and Your Family

Step 3: Invest in Air Purification

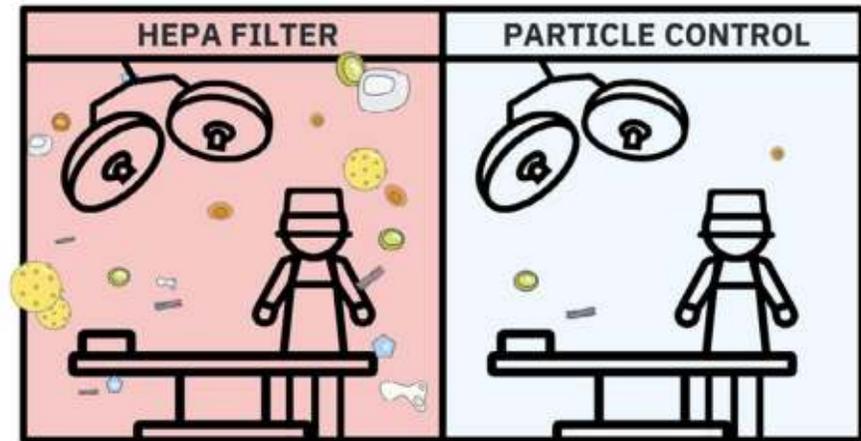
Sealing your home is straightforward. Choosing the right air purification technology is not.

Ozone Generators

The EPA cautions against using air purification products which create ozone, stating: “When inhaled, ozone can damage the lungs. Relatively low amounts of ozone can cause chest pain, coughing, shortness of breath and throat irritation.”

HEPA Filters

HEPA filters alone fail to move the smallest and most dangerous particles to the filter where they can be inactivated or destroyed. Therefore, HEPA filters are PASSIVE rather than ACTIVE, and less effective.

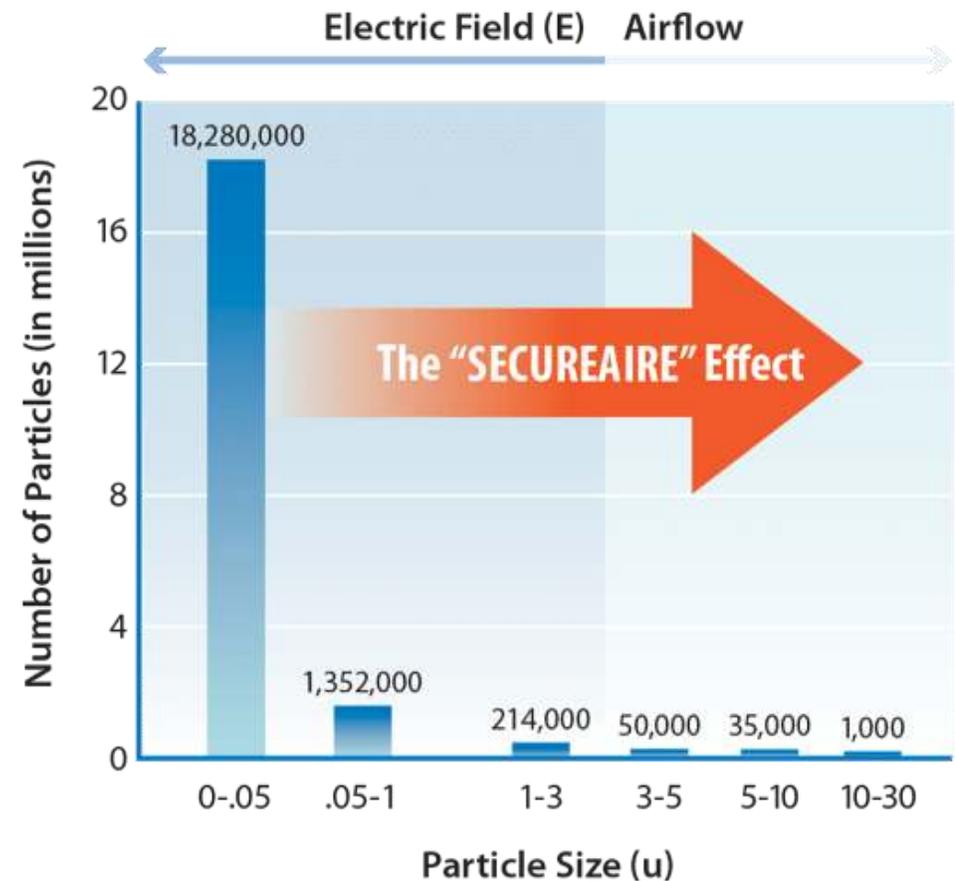


A better solution: scientifically proven in real-world environments

SecureAire's proprietary, cutting-edge technology removes the most dangerous particles in the air. And we have the studies to prove it.

The key to our technology is its ACTIVE process for physically moving dangerous tiny particles to the filter. Other technology can't.

Airflow alone cannot move the smallest and most dangerous particles



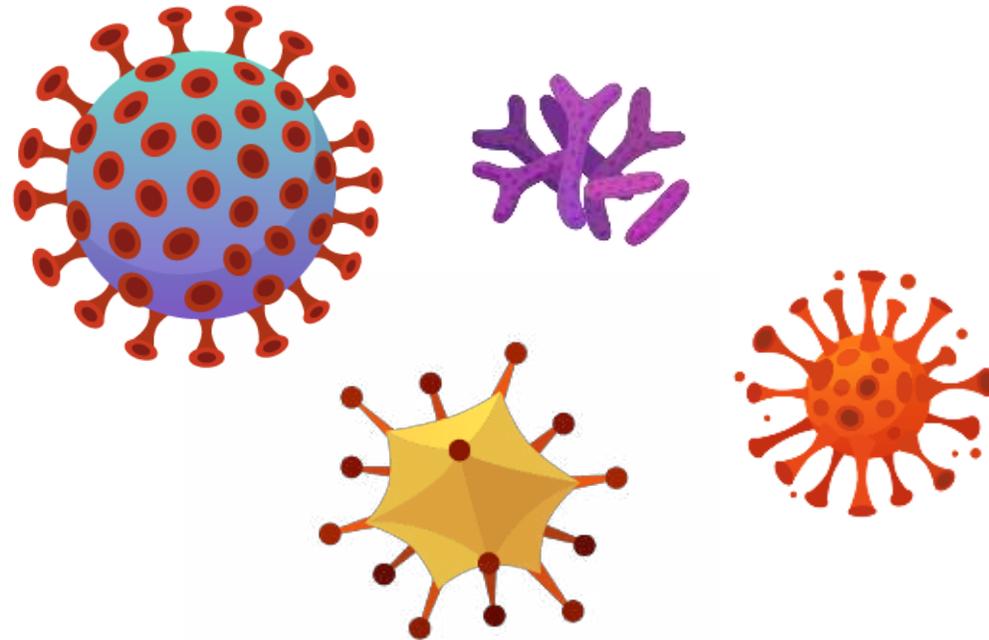
SecureAire's ACTIVE Particle Control Tech



Additional benefits of improving indoor air quality

Beyond simply protecting your family from deadly pollution, SecureAire's technology also provides protection from:

- Bacteria
- Viruses, including COVID-19
- Fungi
- Allergens and irritants

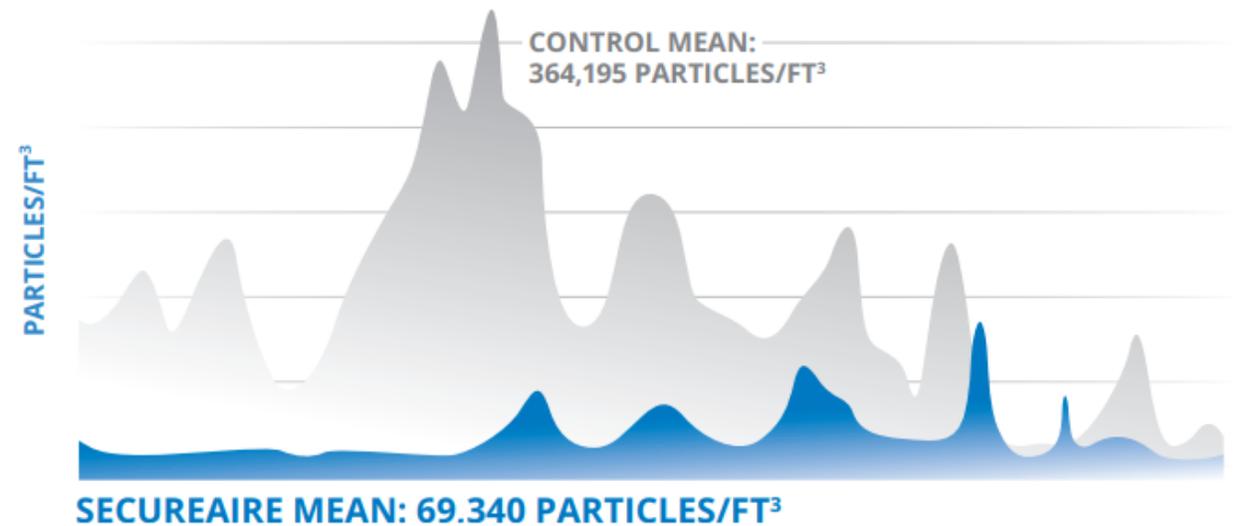


Real-World Example

In 2020, the Sacramento Valley suffered from the “worst air quality in the world.” IAQ was particularly poor with some measurements showing that 50% of indoor air was contaminated with dangerous smoke particulates.

Thanks to SecureAire one of the largest medical centers in the Sacramento area was able to remain fully operational during the wildfire season. They had installed SecureAire’s ACTIVE Particle Control™ Technology systems into both of their 44,000 cubic feet per minute (cfm) rooftop air handlers that provided smoke-free indoor air.

ACTIVE Particle Control Reduces Ultra-Fine Particles by 81%



SecureAire™

QUESTION & ANSWER

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THANK YOU!

We offer FREE air quality evaluations and SecureAire demonstrations.

Contact Kathy Parry for more information:
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