



When Indoor Air Quality Matters Most.

SOLUTIONS FOR PROTECTING THE AIR QUALITY INDOORS DURING WILDFIRES

When communities are affected by wildfires, safe indoor spaces that can provide clean air are critical.

Exposure to the fine particulate matter carried by wildfire smoke can have long-term health effects; research shows that wildfire smoke inhalation increases inflammation in the body, affects mental health, and worsens the symptoms of conditions like asthma, heart or lung disease, and bronchitis.¹ And because smoke can travel thousands of miles², these adverse effects are a concern even for people that live nowhere near an active fire – so it’s important to prepare indoor spaces for wildfires no matter where they are located.

7 Components of a Smoke Readiness Plan Based on current EPA and ASHRAE recommendations

1. Prepare or purchase portable air cleaners and extra filters.
2. Perform complete maintenance check of HVAC systems, make any needed repairs, and determine if a high efficiency filter (MERV 13 or higher) can be added.
3. Assess and maintain adequate air flows during smoke events. Be prepared to measure indoor fine particulate matter (PM_{2.5}) with one or more air sensors.
4. Prepare to add supplemental filtration at intake air vents.
5. Install a port or pressure gauge to measure filter pressure drop
6. Weatherize the building to limit smoke intrusion
7. Reduce indoor sources of PM_{2.5} like using printers and copiers, vacuuming, or cooking, and determine where temporary “cleaner air spaces” can be created.

Omni CleanAir has over 30 years of experience in keeping people safe in dangerous air quality environments, including wildfire management. We recommend the following products for smoke particulate control:



OmniAire 2200C

Construction-grade negative air machine with 2 speeds and 12” deep HEPA filter.
PART #: OA2200C



OmniAire 2000V

Medium-sized negative air machine with variable speed control.
PART #: OA2000V



OmniClean Professional Series

All OmniClean models combine high-capacity airflow, UVGI and TRUE HEPA filtration. Models differ in CFM airflow only.

OCA500: Rooms up to 5,000 FT³*
(Classrooms, Restrooms, Offices, Exam Rooms, Small Conference Rooms)

OCA1200: Rooms up to 12,000 FT³*

OCA1500: Rooms up to 15,000 FT³*
(Classrooms, Restrooms, Offices, Exam Rooms, Small Conference Rooms)

1. American Lung Association, “How Wildfires Affect Our Health.” 2. CNN, “Smoke from Western wildfires has blown thousands of miles to New York.”
Additional resources: Western Fire Chiefs Association, “What Effects Do Wildfires Have on Humans and Animals?”; US Environmental Protection Agency, “Wildfires and Indoor Air Quality (IAQ)”, “Wildfires and Indoor Air Quality in Schools and Commercial Buildings”