

Formaldehyde
Methanol
Ethanol
Arterial Solution
Isopropanol

FUNERAL HOMES



18-48 lbs.
of adsorbent
HEPA & UV available



Odor Control
160 lbs.
of adsorbent

EEG
36 lbs.
of adsorbent

Odor Control
30-120 lbs.
of adsorbent



40 lbs.
of adsorbent



30 lbs.
of adsorbent



electrocorp
Air Filtration Systems

Low leasing rates available
Other units available up to 25,000 lbs. of adsorbent

"Embalmers are exposed to formaldehyde at concentrations averaging up to 9 parts per million (ppm) during embalming. Short-term exposures to this strong-smelling gas cause eye, nose, and throat irritation at levels up to 5 ppm. At levels from 10 to 20 ppm, it causes cough, chest tightness, and unusual heart beat; and from 50 to 100 ppm, fluid on the lungs, followed by death. Exposure to formaldehyde over a long time may also cause cancer."

Michael G. Gressel, Anne Votaw, Rosmarie T. Hagedorn, and Jerome P. Flesch.
 "Controlling Formaldehyde Exposures During Embalming"
 CDC, NIOSH, HAZARD CONTROLS

Embalming has been practiced since the days of Ancient Egypt when mummification was first invented. It is one of the earliest surgical procedures humanity undertook, and is still very much in use today. Funeral homes everywhere use the traditional methods of embalming to preserve the deceased for viewings and slower decomposition after burial. However, the materials used by funeral homes are extremely hazardous to embalmers and undertakers. The embalming fluid used to preserve bodies is composed of toxic substances such as formaldehyde, methanol, ethanol and isopropanol.

RAP Series



- 18 lbs. of carbon
- Micro-HEPA Wrap 99% efficient to 0.1 microns
- Carbonized 10 micron pre-filter
- 50 to 160 CFM delivered
- Dimensions: 23.5" x 15"

Options:

- 30, 60, 120 or 240 lbs. of carbon for heavy chemical control
- Medical-grade HEPA filter 99.97% efficient to 0.3 microns (on H or CCH units only)
- 50 - 1650 CFM delivered
- UV Capsule
- Caddy wheels

RSU Series



- 23 lbs. of activated carbon
- Electrostatic particle filter, material rated at 99% efficient at 0.1 microns
- Industrial-grade
- 10 micron adhesive capturing pre-filter
- 350 CFM delivered

Options:

- 60 or 120 lb. activated carbon filters for heavy chemical and odor control
- Medical-Grade HEPA (on CCH only)
- Up to 1800 CFM delivered
- Custom carbon blends for specific chemicals and odors

It's not just the materials embalmers use that can cause serious respiratory issues. The deceased themselves pose a serious threat to the health and well-being of the funeral home workers. Reporters of pulmonary tuberculosis, and viral respiratory infections are high among funeral home workers. This is caused by the bacteria present in the air in funeral homes and embalming laboratories. Without proper ventilation, funeral home employees risk the spread of disease from their subjects, even if the proper precautions are taken with masks and gloves.

A recent study by the American Journal of Industrial Medicine found a significant connection between workers who were exposed to formaldehyde regularly and colon cancer. Because formaldehyde is an organic compound the methods for trapping formaldehyde from the environment need to be extreme and highly effective.

Electrocorp can ensure air purification with deep-bed activated carbon meant to trap and lock in such noxious fumes and toxins like formaldehyde. Dwell time in up to 80 lbs of carbon in an Electrocorp unit means cleaner air for funeral home employees. Odor abatement is also an issue in funeral homes that host wakes and memorials. To keep the air fresh and family members breathing toxin-free air, activated carbon is the safe, effective and economical choice.

I-6500 Series

- 80 lb. refillable activated carbon filter
- 12" deep medical-grade HEPA filter 99.97% efficient to 0.3 microns
- Particle and dust pre-filter
- 750 to 1000 CFM delivered
- Dimensions: 70" x 24.5" x 21"

Options:

- 160 lb. activated carbon filter with a particle and dust filters
- 12" gel sealed medical-grade HEPA
- 2 Medical-grade HEPA filters (12"X12")
- 1500 CFM / 1 speed 230 w 60 Hz



6000 Series

- 24 lb. activated carbon filter, 2 1/2" deep physical bed wall carbon
- Medical-grade HEPA filter 99.97% efficient to 0.3 microns
- Prodense pre-filter
- Sure Seal gaskets
- 400 CFM turbo rated motor
- Dimensions: 23.5" x 15"

Options:

- Deeper 3" or 3 1/2" carbon bed for heavy chemical control
- Exclusive carbon blends to target specific airborne pollutants
- UV technology
- Available in Black, White or Sandstone



ACTIVATED CARBON + HEPA

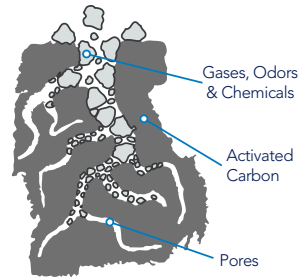


Our Hybrid Filtration Technology

Electrocorp air cleaners combine the most efficient filtration methods for removing both chemicals and particles providing the most complete and versatile air cleaning system available.

About Activated Carbon Filtration

Carbon that is 'activated' undergoes a process that opens up millions of tiny pores and fissures to enhance the material's adsorbent properties. The process creates a very large internal surface area, which is key to the power of activated carbon - the more surface area - the more the carbon can adsorb. Only one pound of activated carbon typically has a surface area of 125 acres. Activated carbon is so effective that it's used in military gas masks.



About HEPA Filtration

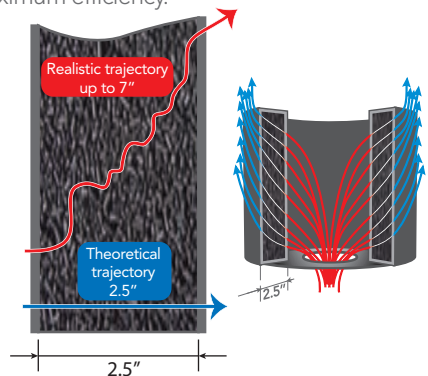
HEPA stands for high efficiency particulate air filter and describes a filter that can remove at least 99.97% of airborne particles 0.3 microns in diameter. Particles of this size are used to evaluate the performance of a HEPA filter because they are among the most difficult to remove. HEPA filters are considered the safest and most efficient method to treat airborne particles.

What is MRAF?

MRAF or Maximum Radial Air Filtration describes the superior filtration system incorporated into our RAP and RSU industrial units. This cylindrical "Super Wall" of carbon provides the largest adsorbent surface area in the industry providing maximum efficiency.

What is PDF?

PDF or Progressive Diagonal Filtration describes the path of pollutants in our bottom intake air cleaners. This exclusive air intake configuration allows for extended dwell time which maximizes the adsorption of chemicals, gases and odors.



electrocorp
Air Filtration Systems

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