



Carbon and HEPA Filters

FilterMate™ Portable Exhausters & Protector® Work Stations

Below is an Application Matrix that provides examples of appropriate uses for carbon and/or HEPA filters expended in the FilterMate Portable Exhauster or Protector Work Station. Whether or not any ductless enclosure is appropriate for your application requires consideration of factors such as the time-weighted exposure limits of your materials. Using Labconco's exclusive chemical assessment program, our technical specialists can help you determine if a Labconco ductless enclosure is the right ventilation product for your application and, if so,

estimate filter life. To begin the process, please complete the **Chemical Usage Assessment Form** available on our website at www.labconco.com or call us at **800-821-5525** or **816-333-8811**.

Carbon and HEPA Filters are available in a variety of types and, in some cases, may be used in carbon/HEPA filter combination. An online **Chemical Guide**, available at www.labconco.com, allows you to search individual chemicals to determine their suitability for use with a carbon-filtered enclosure.

- **Organic Filters** are suitable for vapors from solvents including acetone, ethyl acetate, toluene and xylene.
- **Formaldehyde Filters** are suitable for vapors from formaldehyde, formalin and gluteraldehyde.
- **Ammonia Filters** are suitable for ammonia and low molecular weight amines.
- **HEPA Filters**, 99.99% efficient, are suitable for removing particulates such as powders and pollen. **They should not be used to capture biohazardous materials or volatile organic material.**

Application Matrix

Filter Type Configuration	FilterMate & Protector Work Station			FilterMate		
	Organic	Ammonia	Formaldehyde	Carbon	& HEPA*	HEPA
Asbestos handling						•
Clean room/critical environment				•		
Combination dry and liquid chemicals				•		
Drug compounding/research				•		•
Endoscopy instrument cleaning			•			
Histology/cytology tissue staining, coverslipping	•					
Histology/pathology	•			•		
Hormone research				•		•
Non-biohazardous microbiological samples with trace chemicals**				•		
Particulates in conjunction with chemical agents				•		
Pathology/tissue grossing			•	•		
Photo-engraving		•				
Plastics production		•				
Pollen handling				•		•
Soldering				•		•
Solvent cleaning	•					
Solvent welding/gluing	•					
Weighing chemical powders				•		•

*Carbon filter type varies based on application

**The FilterMate Portable Exhauster is not designed to accommodate changing and disposing of biohazardous filters and materials and, therefore, should not be used as part of a biosafety enclosure.



Carbon and HEPA Filters and Accessories for use with FilterMate Portable Exhausters

A HEPA Filter and Bag-In/Bag-Out Bag are included with FilterMate Portable Exhausters designed for use with HEPA filters. One or two Carbon Filters are required for operation with FilterMate Portable Exhausters designed for use with carbon filters.

Catalog #	Description	Shipping Wt. lbs./kg
3923400	Organic Carbon Filter, Type AC. Contains 12 pounds of granular activated carbon media.	14/6.3
3923401	Formaldehyde Carbon Filter, Type ST-1. Contains a minimum of 14 pounds of impregnated carbon media.	17/7.7
3923402	Ammonia Carbon Filter, Type AC. Contains a minimum of 16 pounds of impregnated carbon media.	21/9.5
3707900	Replacement HEPA Filter, 99.99% efficient on particles 0.3 micron in size.	10/4.5
3776002	Replacement Bag-In/Bag-Out Bag to ensure containment of particulate matter during HEPA filter changing.	1/0.5
1968800	Orange Cinching Strap for Bag-In/Bag-out Bag.	1/0.5

*Labconco strongly recommends ordering and keeping an extra set of filters to have readily available when filters become saturated and require replacement. Sign up for the **Filter Reminder Email Service** at www.labconco.com.