



FilterMate™ Portable Exhausters



FilterMate Portable Exhauster #3970000. Includes HEPA filter.



FilterMate Portable Exhauster #3970001. Requires carbon filter (not included).



FilterMate Portable Exhauster #3970002. Includes HEPA filter and thimble connection. Requires ducting to outside.



FilterMate Portable Exhauster #3970003. Includes HEPA filter. Requires carbon filter (not included).

An accessory for the Demonstration Hood, XPert™ Balance Enclosure, Protector® XVS Ventilation Station and Protector® Work Station, the FilterMate uses a HEPA filter, carbon filter or a combination of both filters to remove hazardous powders, particulates or vapors from the exhaust air stream, returning filtered air to the environment.

All models feature:

- Compact, corrosion-resistant housing of glacier white and light gray, dry powder, epoxy-coated steel with rubber feet.
- Variable-speed, non-sparking motorized impeller.
- ☒ Quiet operation. Oversized HEPA filter, efficient impeller and perforated exhaust cover work together to provide lower system exhaust velocity and noise pressure levels.

Exhaust CFM	Noise Pressure dB(A)
100	45-47
150	51-54
200	56-61
250	63-65

- ☒ Inherently safe design. A negative pressure plenum surrounds the positive pressure impeller so that if a leak occurs, the unfiltered air is captured and refiltered.
- ☒ Sized for Demonstration Hoods, XPert Balance Enclosures, Protector XVS Ventilation Stations and Protector Work Stations. Capable of efficiently filtering up to 250 CFM for HEPA or carbon filtration; up to 200 CFM for combination HEPA/carbon filtration (60-100 fpm depending on enclosure model).
- Front-mounted rocker switch to control power to the blower.
- ☒ Rear-mounted, auxiliary electrical outlet that may be connected to an airflow monitor or other user-supplied accessories.

☒ Exclusive feature



- ☒ Only one FilterMate is required for all 2', 3' and 4' wide x 22.75" high enclosures. Each FilterMate provides up to 100 fpm face velocity for 2', 3' or 4' enclosure.
- Included: 8 feet of 5" ID flexible gray polypropylene hose, two clamps and a 4.88" OD Upper Transition Adapter for connection to the top of the Demonstration Hood, XPert Balance Enclosure, Protector XVS Ventilation Station or Protector Work Station. Models 3970004 and 3970024 include a 4.88" OD Lower Transition Adapter instead of the Upper Transition Adapter.
- IEC 3-wire electrical cord with plug.

All models conform to the following regulations and standards:

- UL 3101-1/61010-1
- CAN/CSA C22.2 No. 1010.1
- CE Conformity Marking (230 volt models)

Models 3970000, 3970020, 3970002, 3970022, 3970003 and 3970023 feature:

- HEPA filter, 99.99% efficient on particulates 0.3 micron in size.
- ☒ True bag-in/bag-out filter disposal system for safely removing and replacing the filter without detaching the hose. The HEPA filter may be easily accessed by removing the exhaust cover for field leak testing by a certified technician.

Models 3970002 and 3970022 feature:

- 6.06" ID thimble connection from the FilterMate to an existing house exhaust system for added safety.

Models 3970001, 3970021, 3970003 and 3970023 require one each and Models 3970004 and 3970024 require two each (not included):

- Carbon Filter. Organic Vapor, Formaldehyde or Ammonia Filters are offered. See back.

Optional Accessories

- Replacement HEPA Filter. See back.
- Replacement Bag for Bag-In/Bag-Out HEPA Filter. See back.

FilterMate™ Portable Exhausters

ORDERING INFORMATION

FilterMate™ Portable Exhausters						
Catalog Number	Filter Usage	Overall Dimensions	Electrical Requirements	Airflow Potential	Exhaust Connection	Shipping Weight lbs./kg
3970000	HEPA included	14.0" w x 23.0" d x 22.7" h	115 volts, 60 Hz	250 CFM (60-100 fpm)	None. Room exhaust.	50/22.7
3970020*	HEPA included	14.0" w x 23.0" d x 22.7" h	230 volts, 50 Hz	250 CFM (60 100 fpm)	None. Room exhaust.	50/22.7
3970001	Carbon required [†]	14.0" w x 23.0" d x 22.7" h	115 volts, 60 Hz	250 CFM (60-100 fpm)	None. Room exhaust.	48/21.8
3970021*	Carbon required [†]	14.0" w x 23.0" d x 22.7" h	230 volts, 50 Hz	250 CFM (60-100 fpm)	None. Room exhaust.	48/21.8
3970002	HEPA included	18.6" w x 23.0" d x 24.7" h	115 volts, 60 Hz	250 CFM (60-100 fpm)	6.06" ID Thimble to outside	54/24.5
3970022*	HEPA included	18.6" w x 23.0" d x 24.7" h	230 volts, 50 Hz	250 CFM (60-100 fpm)	6.06" ID Thimble to outside	54/24.5
3970003	HEPA included ^{††} Carbon required [†]	14.9" w x 23.0" d x 22.7" h	115 volts, 60 Hz	200 CFM (60-100 fpm)**	None. Room Exhaust.	52/23.6
3970023*	HEPA included ^{††} Carbon required [†]	14.9" w x 23.0" d x 22.7" h	230 volts, 50 Hz	200 CFM (60-100 fpm)**	None. Room Exhaust.	52/23.6
3970004	Two Carbon required [†]	14.9" w x 23.0" d x 22.7" h	115 volts, 60 Hz	200 CFM (60-100 fpm)**	None. Room Exhaust.	52/23.6
3970024*	Two Carbon required [†]	14.9" w x 23.0" d x 22.7" h	230 volts, 50 Hz	200 CFM (60-100 fpm)**	None. Room Exhaust.	52/23.6

* International electrical configuration †Carbon Filter(s) not included. ††HEPA filter may be removed and substituted with a second carbon filter. ** 60-80 fpm on 4' enclosure.

Accessories		
Catalog Number	Description	Shipping Weight lbs./kg
3923400	Organic Carbon Filter, Type AC. Contains 12 pounds of granular activated carbon media.	14/6.3
3923401	Formaldehyde Carbon Filter, Type CI. Contains 14 pounds of impregnated carbon media.	17/7.7
3923402	Ammonia Carbon Filter, Type CX. Contains 16 pounds of impregnated carbon media.	21/9.5
6924900	Syringe Kit for carbon saturation detection. Contaminant detector tubes sold separately.*	1/.45
6926000	Formaldehyde Detector Tubes, 3 each.	1/.45
6925700	Ammonia Detector Tubes, 3 each.	1/.45
3707900	Replacement HEPA Filter, 99.99% efficient on particles 0.3 micron in size.	10/4.5
3776002	Replacement HEPA Filter Bag-In/Bag-Out Bag to ensure containment of particulate matter during filter changing.	1/.45
3913600	Thimble Connection Kit for retrofitting FilterMate Portable Exhausters #3970000, 3970020, 3970001 and 3970021. Included with FilterMate Portable Exhausters #3970002 and 3970022.	10/4.5
3927500	Flexible Hose, 5" ID, clear urethane, smooth bore with white helix, static dissipative, suitable for pharmaceutical and clean room applications. 8' length. Includes two clamps. For use instead of the flexible polypropylene hose included with the FilterMate Portable Exhauster.	3/1.4
3927600	Flexible Hose, 6" ID, black thermoplastic rubber hose with 6.09" ID cuffs, suitable for pharmaceutical and clean room applications 8' length. Includes two hose clamps.	3/1.4

* Labconco offers Formaldehyde and Ammonia Detector Tubes. Detector tubes for organic vapors may be ordered from your laboratory supply distributor.

Contact Labconco for ordering information on Demonstration Hoods, XPert Balance Enclosures and Protector XVS Ventilation Stations and Protector Work Stations.



At far left: XPert Balance Enclosure is shown with FilterMate Portable Exhauster #3970000.
At left: Protector Work Station is shown with FilterMate Portable Exhauster #3970001.

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