











4' XPert® Filtered Balance Systems & Stations

SPECIFICATIONS - 32" INTERIOR HEIGHT MODELS



XPert Filtered Balance System 3950462 is shown with Black Solid Epoxy Dished Work Surface 3909902 and Protector Standard Storage Cabinet 9900000. Work surface and base cabinet must be ordered separately.

All models feature:

-  Deep interior of 23.4" or 30.0" depending on the model.
-  Ergonomic air foil with aerodynamic Clean-Sweep* airflow openings.
-  Upper dilution air supply.
-  Upper containment sash foil.
-  Zone-perforated, pivoting rear baffle.*
-  Side-entry air foils.
 - Exhaust HEPA filter, 99.99% efficient on particles 0.3 micron in size.
-  Top-accessible HEPA filter for leak scanning of entire surface.
-  True bag-in/bag-out filter disposal system (requires certified technician).
 - Pressure gauge.
 - Space-saving design. No separate filtered exhaust is required.
 - Upper diffuser screen.
 - Glacier white and gray, dry powder epoxy-coated aluminum frame and steel rear plenum and baffle. No unreliable plastic-to-plastic bonding is used.

- Pre-wired fluorescent lamp and switches for blower and light.
- 1/4" thick tempered safety glass front sash and sides.
- Ergonomic angled and hinged, pivoting sash with wiping seal. Sash incorporates an external gas-assist lift.
- 12.0" sash opening height with 25.75" locking height and 28.25" maximum loading height.
- Two utility ports for pass-through of electrical cords.
- Particulate containment independently verified by SafeBridge Consultants, Inc.
- Validation package available at www.labconco.com containing balance stability, powder containment and modified ASHRAE 110-1995 Test Reports; Installation Qualification/Operation Qualification (IQ/OQ) Protocol; and Maintenance Log.

All XPert Filtered Balance Systems also include:

- Built-in blower with dynamically-balanced, vibration-isolated motorized impeller and speed control. Blower has a 30-40% reserve so that the speed may be adjusted as needed by a certified technician as the filter loads.
- Intrinsically safe, negative pressure design.
- Quiet operation between 58 and 66 decibels at 60-80 fpm.

All models conform to the following regulations and standards:

- SEFA 1-2005
- Modified ASHRAE 110-1995
- ANSI Z9.5-1993
- UL 3101-1/61010-1
- CAN/CSA C22.2 No. 1010.1
- CE Conformity Marking (230 volt models)

 Exclusive feature

*U.S. Patent No. 6,461,233

Models with Guardian Airflow Monitor include:

- Guardian Airflow Monitor that continuously monitors airflow with a green LED that glows when airflow is within set point range and a red LED that glows and an audible alarm that sounds when airflow is outside set point range.

Models with Guardian 1000 Digital Airflow Monitor include:

- Guardian 1000 Digital Airflow Monitor that continuously monitors airflow and provides a digital readout of actual face velocity. An audible/visual alarm alerts the operator when airflow is outside set point range. RS232 communications port allows connection to user-supplied computer.

All models require:

- Work surface.
- Supporting base.

All XPert Filtered Balance Stations also require:

- Remote Blower.
- Ductwork.

Optional accessories for all models include:

- Utility Shelves, Bottle Holder and Tissue Holder.

Optional accessories for XPert Filtered Balance Systems include:

- Trace Odor Carbon Filters.
- Canopy Connection.
- Remote Blower.
- Ductwork.

Contact Labconco Corporation for ordering information on work surfaces, supporting bases, remote blowers, ductwork and other accessories.



Protecting your
laboratory environment

LABCONCO



4' XPert® Filtered Balance Systems

ORDERING INFORMATION

XPert Filtered Balance Systems - Tall Models

Nominal Width	Catalog Number	Overall Dimensions	Interior Dimensions	Electrical Requirements	Built-In Airflow Monitor*	Shipping Weight lbs./kg
4'	3950460	48.0" w x 29.0" d x 46.3" h	45.6" w x 23.4" d x 32.0" h	115 volts, 60 Hz	None	285/129
4'	3950461	48.0" w x 29.0" d x 46.3" h	45.6" w x 23.4" d x 32.0" h	115 volts, 60 Hz	Guardian	290/132
4'	3950462	48.0" w x 29.0" d x 46.3" h	45.6" w x 23.4" d x 32.0" h	115 volts, 60 Hz	Guardian Digital	290/132
4'	3950470*	48.0" w x 29.0" d x 46.3" h	45.6" w x 23.4" d x 32.0" h	230 volts, 50 Hz no plug	None	285/129
4'	3950471*	48.0" w x 29.0" d x 46.3" h	45.6" w x 23.4" d x 32.0" h	230 volts, 50 Hz no plug	Guardian	290/132
4'	3950472*	48.0" w x 29.0" d x 46.3" h	45.6" w x 23.4" d x 32.0" h	230 volts, 50 Hz no plug	Guardian Digital	290/132

XPert Filtered Balance Systems - Tall & Deep Models

Nominal Width	Catalog Number	Overall Dimensions	Interior Dimensions	Electrical Requirements	Built-In Airflow Monitor*	Shipping Weight lbs./kg
4'	3950430	48.0" w x 35.5" d x 46.3" h	45.6" w x 30.0" d x 32.0" h	115 volts, 60 Hz	None	315/143
4'	3950431	48.0" w x 35.5" d x 46.3" h	45.6" w x 30.0" d x 32.0" h	115 volts, 60 Hz	Guardian	320/145
4'	3950432	48.0" w x 35.5" d x 46.3" h	45.6" w x 30.0" d x 32.0" h	115 volts, 60 Hz	Guardian Digital	320/145
4'	3950440*	48.0" w x 35.5" d x 46.3" h	45.6" w x 30.0" d x 32.0" h	230 volts, 50 Hz no plug	None	315/143
4'	3950441*	48.0" w x 35.5" d x 46.3" h	45.6" w x 30.0" d x 32.0" h	230 volts, 50 Hz no plug	Guardian	320/145
4'	3950442*	48.0" w x 35.5" d x 46.3" h	45.6" w x 30.0" d x 32.0" h	230 volts, 50 Hz no plug	Guardian Digital	320/145

* International electrical configuration

Nominal Width	Sash Opening Ht.	Total Exhaust CFM and Sound Levels					
		100 fpm	db(A)	80 fpm	db(A)	60 fpm	db(A)
4'	12.0"	380	67-70	305	62-66	230	58-61



4' XPert® Filtered Balance Stations

ORDERING INFORMATION

XPert Filtered Balance Stations - Tall Models

Nominal Width	Catalog Number	Overall Dimensions	Interior Dimensions	Electrical Requirements	Built-In Airflow Monitor*	Shipping Weight lbs./kg
4'	3940460	48.0" w x 29.0" d x 49.6" h	45.6" w x 23.4" d x 32.0" h	115 volts, 60 Hz	None	285/129
4'	3940461	48.0" w x 29.0" d x 49.6" h	45.6" w x 23.4" d x 32.0" h	115 volts, 60 Hz	Guardian	290/132
4'	3940462	48.0" w x 29.0" d x 49.6" h	45.6" w x 23.4" d x 32.0" h	115 volts, 60 Hz	Guardian Digital	290/132
4'	3940470*	48.0" w x 29.0" d x 49.6" h	45.6" w x 23.4" d x 32.0" h	230 volts, 50 Hz no plug	None	285/129
4'	3940471*	48.0" w x 29.0" d x 49.6" h	45.6" w x 23.4" d x 32.0" h	230 volts, 50 Hz no plug	Guardian	290/132
4'	3940472*	48.0" w x 29.0" d x 49.6" h	45.6" w x 23.4" d x 32.0" h	230 volts, 50 Hz no plug	Guardian Digital	290/132

XPert Filtered Balance Stations - Tall & Deep Models

Nominal Width	Catalog Number	Overall Dimensions	Interior Dimensions	Electrical Requirements	Built-In Airflow Monitor*	Shipping Weight lbs./kg
4'	3940430	48.0" w x 35.5" d x 49.6" h	45.6" w x 30.0" d x 32.0" h	115 volts, 60 Hz	None	315/143
4'	3940431	48.0" w x 35.5" d x 49.6" h	45.6" w x 30.0" d x 32.0" h	115 volts, 60 Hz	Guardian	320/145
4'	3940432	48.0" w x 35.5" d x 49.6" h	45.6" w x 30.0" d x 32.0" h	115 volts, 60 Hz	Guardian Digital	320/145
4'	3940440*	48.0" w x 35.5" d x 49.6" h	45.6" w x 30.0" d x 32.0" h	230 volts, 50 Hz no plug	None	315/143
4'	3940441*	48.0" w x 35.5" d x 49.6" h	45.6" w x 30.0" d x 32.0" h	230 volts, 50 Hz no plug	Guardian	320/145
4'	3940442*	48.0" w x 35.5" d x 49.6" h	45.6" w x 30.0" d x 32.0" h	230 volts, 50 Hz no plug	Guardian Digital	320/145

* International electrical configuration

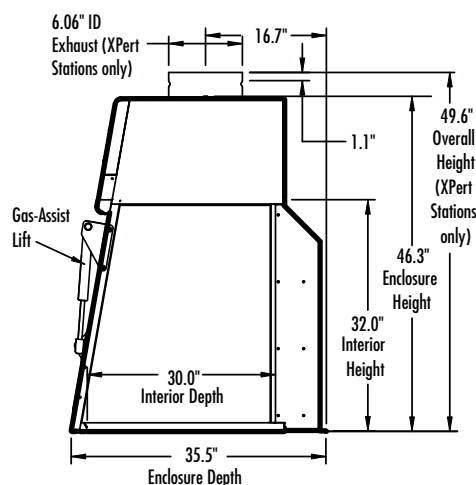
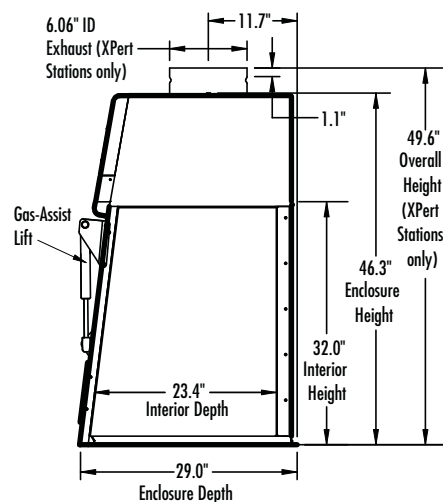
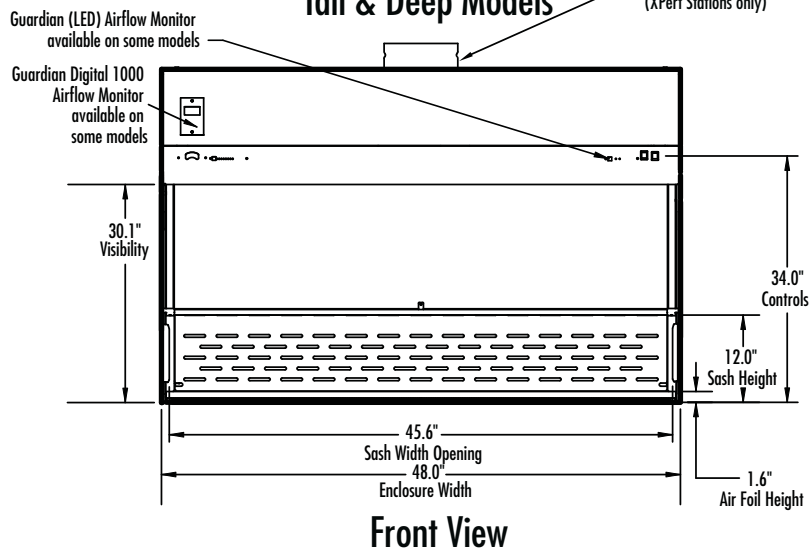
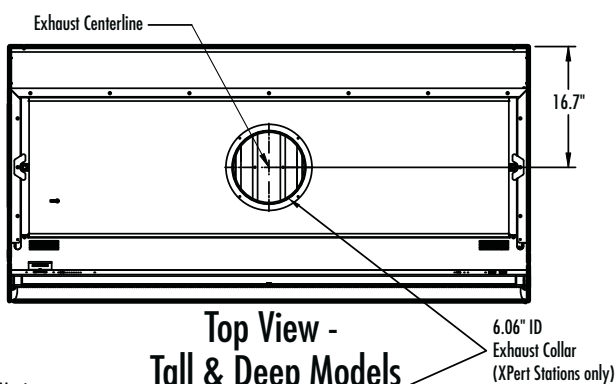
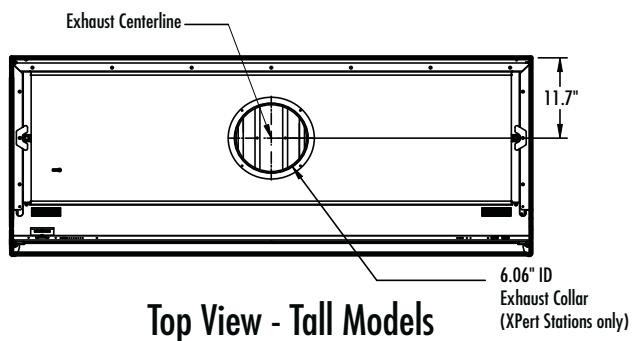
Nominal Width/Duct	Sash Opening Ht.	Total Exhaust CFM and Initial Static Pressure (w.g.)**					
		100 fpm	S.P.	80 fpm	S.P.	60 fpm	S.P.
4'/6" dia.	12.0"	380	0.92"-1.04"	305	0.77"-0.87"	230	0.56"-0.65"

** Static pressure loss through HEPA filter gradually increases as filter loads.



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DIMENSIONAL DATA - TALL MODELS



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