



Protector® XVS Ventilation Stations



Protector XVS Ventilation Station #4863010. Also shown: Black Solid Epoxy Dished Work Surface #3908401, Telescoping Base Stand with Casters #3747011, Ergonomic Chair #3744000 and Adjustable Footrest #3646000.

All models feature:

- Low profile fume hood and particulate enclosure provides user protection by keeping powders and fumes contained during light-duty, fume-generating or weighing procedures.
- Deep 23" interior easily accommodates a variety of apparatus including large balances.
- Patented* Clean-Sweep™ air foil allows air to sweep the work surface for maximum containment. Airflow openings pull inflow air from under the air foil so that clean air continually flows over the air foil creating a constant barrier of protection from contaminants.
- Patented* upper containment sash foil bleeds air into the enclosure to direct concentrations of contaminants away from the operator's breathing zone.
- Upper dilution air supply introduces room air at the top of the sash to dilute concentrations in the upper chamber and bathes the back of the sash with clean air.
- Patented* rear baffle with zones of perforations promotes horizontal laminar airflow to maximize containment.
- Side-entry air foils allow air to sweep across the interior glass surfaces to enhance containment.
- Sturdy glacier white and gray, dry powder epoxy-coated aluminum frame and steel rear plenum and baffle dissipate static charge and provide excellent stability and better corrosion resistance compared to acrylic models. No unreliable plastic-to-plastic bonding is used.
- Tempered safety glass front sash, sides and top offer excellent visibility, ambient light and protection. Glass provides improved fire, scratch and corrosion resistance than acrylic and dissipates static charge.
- 8" high sash opening limits exhaust demand, conserves costly tempered room air and requires a smaller remote blower than most fume hoods. Models, 32" high, have a 10" high sash opening.
- Ergonomic angled sash allows a closer view, reduces glare and provides a more comfortable operating position than vertical sashes. Models, 22.75" high, have a 20° angle; models, 32" high, have a 14° angle. The hinged sash pivots upward and locks to a loading height of 20" or 29.25" depending on the model.
- Two utility ports with iris openings allow passage of tubing, electrical cords and interface cables from inside to back exterior for connection to services.
- Flexible exhaust options. 2" x 10" rectangular exhaust collars on the top and bottom allow the Protector XVS Ventilation Station to be connected to ductwork for exhausting to the outside or to a FilterMate™ Portable Exhauster for filtered removal of powders, particulates or fumes. Using the bottom exhaust collar keeps ductwork hidden, maximizing room visibility.
- Particulate containment independently verified by SafeBridge Consultants, Inc.
- ASHRAE 110-1995 conformity as independently verified by ECT, Inc.

- **All models require:**
- **Connection to a remote blower or FilterMate Portable Exhauster (each sold separately).** See remote blowers on back.
- **Work surface and supporting base.** See work surfaces on back. Supporting bases include Telescoping Base Stand with Fixed Feet #3747000, 3747001 or 3747002. Telescoping Base Stand with Casters #3747010, 3747011 or 3747012. Protector Acid Storage, Solvent Storage or Standard Base Cabinets with Work Surfaces may also be used.

Options include:

- Widths of 2', 3' and 4'.
- Heights of 22.75" and 32".

Accessories include (see back):

- Guardian™ 1000 Digital or Guardian™ Jr. Airflow Monitor with low voltage electrical cord, power pack and plug.
- Fluorescent Light Kits for installation atop the Enclosure for enhanced illumination of the interior. Include auxiliary electrical receptacle with switch.
- Transitions Adaptors for connecting ductwork routed either up or down.
- Exhaust Dampers to allow adjustment to the airflow.
- Utility Shelf Kit for attaching to the rear baffle perforations to hold a printer, utensils and other miscellaneous supplies. The printer shelf may also be inverted and rest atop the enclosure.
- Exclusive feature
 - * U.S. Patent No. 6,461,233

22.75" High Models With 8" High Sash Opening

Nominal Width	Total Exhaust CFM and Static Pressure			
	80 fpm	S.P.	60 fpm	S.P.
2 Feet	95	.03"	70	.02"
3 Feet	145	.06"	110	.04"
4 Feet	200	.10"	150	.06"

32" High Models With 10" High Sash Opening

Nominal Width	Total Exhaust CFM and Static Pressure			
	80 fpm	S.P.	60 fpm	S.P.
2 Feet	120	.05"	90	.03"
3 Feet	185	.10"	140	.06"
4 Feet	250	.16"	185	.09"

Ordering Information

Protector® XVS Ventilation Stations

Nominal Width	Catalog Number	Overall Height	Overall Width & Depth	Interior Dimensions	Shipping Weight lbs./kg
2'	4862010	22.75"	24" w x 28.81" d	22.75" w x 23" d x 22" h	50/22.7
2'	4862030	32"	24" w x 28.81" d	22.75" w x 23" d x 31.25" h	60/27.2
3'	4863010	22.75"	36" w x 28.81" d	34.75" w x 23" d x 22" h	70/31.8
3'	4863030	32"	36" w x 28.81" d	34.75" w x 23" d x 31.25" h	80/36.3
4'	4864010	22.75"	48" w x 28.81" d	46.75" w x 23" d x 22" h	90/40.8
4'	4864030	32"	48" w x 28.81" d	46.75" w x 23" d x 31.25" h	100/45.4

Accessories

Catalog Number	Description	Shipping Weight lbs./kg
4863500	Remote Blower, 115 volts, 60 Hz, epoxy-coated steel, inlet 6" ID, rectangular outlet 4.25" x 7.38" OD	35/16
4863501	Remote Blower, 115/230 volts, 50 Hz, epoxy-coated steel, inlet 6" ID, rectangular outlet 4.25" x 7.38" OD	35/16
7053501	Explosion-Proof Remote Blower, 115 volts, 60 Hz, epoxy-coated steel, inlet 6" ID, outlet 4.25" x 7.38" OD	40/18
3908400	2' Black Solid Epoxy Dished Work Surface, 24" w x 26.66" d x 1" thick	48/22
3908401	3' Black Solid Epoxy Dished Work Surface, 36" w x 26.66" d x 1" thick	72/33
3908402	4' Black Solid Epoxy Dished Work Surface, 48" w x 26.66" d x 1" thick	96/44
3908403	2' Gray Solid Epoxy Dished Work Surface, 24" w x 26.66" d x 1" thick	48/22
3908404	3' Gray Solid Epoxy Dished Work Surface, 36" w x 26.66" d x 1" thick	72/33
3908405	4' Gray Solid Epoxy Dished Work Surface, 48" w x 26.66" d x 1" thick	96/33
3908700	Guardian Jr. Airflow Monitor, 115 volts, 60 Hz	10/4.5
3908701	Guardian Jr. Airflow Monitor, 230 volts, 50 Hz	10/4.5
3908800	Guardian 1000 Digital Airflow Monitor, 115 volts, 60 Hz	10/4.5
3908801	Guardian 1000 Digital Airflow Monitor, 230 volts, 50 Hz	10/4.5
3909200	Fluorescent Light Kit, 115 volts, 60 Hz	15/6.8
3909201	Fluorescent Light Kit, 230 volts, 50 Hz	15/6.8
3925000	Utility Shelf Kit consisting of three epoxy-coated steel shelves	5/2.2
3912400	Upper Exhaust Transition Adaptor, 5" diameter for connection to 5" ID hose (included with FilterMate)	5/2.2
3912401	Upper Exhaust Transition Adaptor, 6" diameter for connection to 6" OD duct	5/2.2
3912402	Lower Exhaust Transition Adaptor, 5" diameter for connection to 5" ID hose	5/2.2
3912403	Lower Exhaust Transition Adaptor, 6" diameter for connection to 6" OD duct	5/2.2
3924000	Exhaust Damper, powder-coated steel, 6" diameter	1/0.5
4724200	Exhaust Damper, PVC, 6" diameter	1/0.5

Contact Labconco for ordering information on FilterMate Portable Exhausters, Carbon and HEPA Filters, Base Stands and Storage Cabinets.



Guardian Airflow Monitors allow the operator to continuously monitor airflow. Each Guardian 1000 Digital Airflow Monitor or Guardian Jr. Airflow Monitor includes epoxy-coated steel housing for mounting atop the XPert Balance Enclosure or Protector XVS Ventilation Station.

The Fluorescent Light Kit includes front-mounted switches for On/Off control of the light and the rear-mounted auxiliary electrical receptacle. The electrical receptacle may be used to provide power to equipment inside the enclosure.

For more information, please contact us:

[ExpotechUSA](#)
[10700 Rockley Road](#)
[Houston, Texas 77099](#)
[USA](#)

[281-496-0900 \[voice\]](#)

[281-496-0400 \[fax\]](#)

E-mail: sales@expotechusa.com

Website: www.ExpotechUSA.com