



## Protector Premier Laboratory Hoods

### Features & Benefits

Protector Premier Laboratory Hoods incorporate a sleek exterior with a molded one-piece fiberglass liner, the signature feature of Labconco's leading line of fume hoods since 1961.

The one-piece liner of specially-formulated, fiberglass-reinforced polyester offers corrosion and fire resistance and easy clean up.

Protector Premier Laboratory Hoods are offered in 4', 5', 6' and 8' widths so their dimensions exactly match standard laboratory casework or accessory Protector Base Cabinets and Stands.

Choose from hoods designed to be used with a remotely-located blower or hoods that include a built-in blower.

Models with built-in blower are available. Quiet built-in blower is belt-driven with molded thermoplastic housing and coated aluminum impeller that is non-sparking and corrosion-resistant. Available with explosion-proof or standard motor.

Front and side panels may be easily removed for lamp replacement and access to electrical supply connections.

By-pass airflow design ensures stable face velocities that meet or exceed established standards.

Corrosion-resistant, molded fiberglass exhaust connection(s) on models for use with remote blowers.

Pre-set baffle provides a uniform face velocity pattern across the sash opening of the hood.

Large 28" sash opening offers superior viewing. When fully open, the sash does not extend above the hood.

Vertical-rising tempered safety glass sash is anti-racking for smooth operation. Contact Labconco for ordering information on horizontal-sliding or combination sashes.

Service access panels allow accessibility to plumbing from the front of the hood.

One-piece molded fiberglass liner gives superior corrosion and chemical resistance, durability and light reflectivity. Its smooth, radiused corners make cleaning easy.

Pre-wired electrical components. Fluorescent lights and switches are factory-wired to the hood's single point junction box. One electrical duplex receptacle is factory-wired on 115 volt, 60 Hz. fatured models. Each hood is factory-prepared for up to four electrical duplexes and an air-flow monitor. Explosion-proof models are furnished without switches, electrical receptacle and wiring as these must conform to varying local codes.

Fluorescent lighting illuminates the interior. The high efficiency, instant start, T8 fluorescent lights are located outside the hood interior for corrosion-resistance and easy replacement. Explosion-proof models are supplied with an incandescent light fixture.

Color-coded service fixtures for gas, air, water, vacuum and other services have remote controls for use regardless of the sash position. Two service fixtures are pre-plumbed on listed models. Each hood is factory prepared for up to eight service fixtures (four on each side).

ETL-listed. Hoods carry the ETL mark signifying that they are certified to UL 3101-1/61010-1, UL 1885 and CAN/CSA C22.2 No. 1010.1.

Ergonomic air foil allows air to sweep the work surface for maximum containment. Clean-Sweep® 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.

Durable and attractive exterior is glacier white, dry powder epoxy-coated steel.

CE mark: All 230 volt, 50 Hz models conform to the CE (European Community) requirements for electrical safety and electromagnetic compatibility.

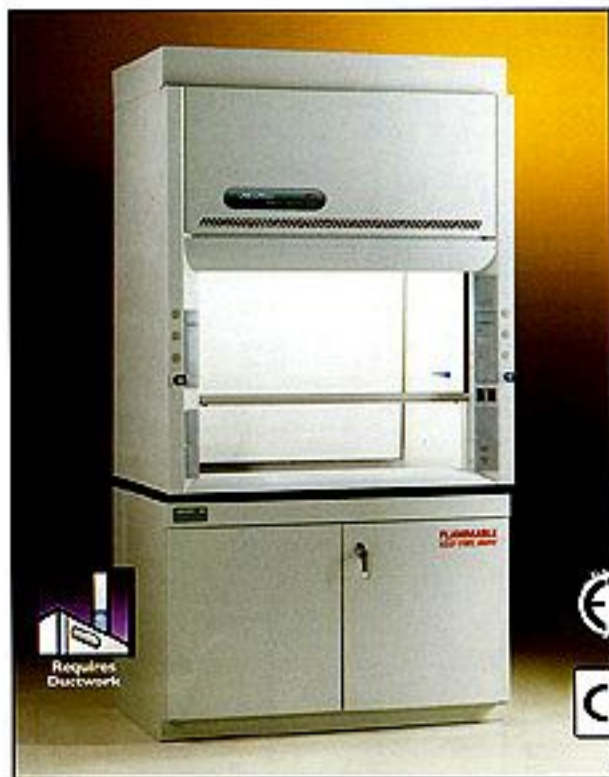
Performance tested to ASHRAE 110-1995.





## Protector Premier Laboratory Hoods

with built-in blower



Protector Premier Laboratory Hood 4550300 is shown with SpillStopper Work Surface 9547100 and Protector Schwerk Storage Cabinet 9902000. Ductwork, work surface and base cabinet must be ordered separately.



### All models feature:

- Built-in belt-driven, corrosion-resistant exhaust blower with adjustable sheave, molded thermoplastic housing and non-sparking, coated aluminum impeller.
- By-pass airflow design.
- Ergonomic air foil with aerodynamic Clean-Sweep® airflow openings.
- Glacier white, dry powder epoxy-coated steel exterior.
- One-piece molded fiberglass liner and pre-set baffle(s) with flame spread less than 25 per ASTM E-84.
- 3/16" thick tempered safety glass vertical-rising sash with epoxy-coated sash handle. Sash does not extend above the hood when fully open.
- Removable front and side panels and front access panels for access to plumbing and electrical wiring.
- 10.81" ID exhaust connection (4' models); 12.81" ID exhaust connection (5' and 6' models).

### All models conform to the following regulations and standards:

- SEFA 1-2005
- NFPA 45-2004
- ASTM E84-01
- ASHRAE 110-95
- ANSI Z9.5-2003
- UL 3101-1/61010-1
- CAN/CSA C22.2 No. 1010.1
- UL 1805
- CE Conformity Marking (230 volt models)\*

### Standard models feature:

- Pre-wired T8 fluorescent lighting, light and blower switches.

Exclusive Feature

### Explosion-proof models feature:

- Explosion-proof blower and incandescent light fixture (bulb not included).
- Furnished without switches, electrical receptacle and wiring as these must conform to varying local codes.

### Fixtured models feature:

- Two pre-plumbed service fixtures with forged brass valves, lower right side with brass tubing for gas and lower left side with copper tubing for cold water. Components for converting either or both fixtures to air and vacuum are provided. Inlet tubing is not provided.
- One pre-wired 115 volt, 20 amp electrical duplex receptacle on lower right side (115 volt models).

### All models require (not included):

- Ductwork.
- Work Surface.
- Base Cabinet or Stand.

### Optional accessories for on-site installation include:

- Service Fixture Kits.
- Electrical Duplex Kits.
- Guardian Jr. and Digital Airflow Monitor Kits.
- Ceiling Enclosure and Rear Finish Panel Kits.
- Distillation Grid Kits.
- Auxiliary-Air Kits.
- Sash Stop Kits.

Built-In Blower Maximum External Static Pressure @ 100 fpm				
Hood Width	CFM	S.P.	Nominal Ductwork Diameter	Equivalent Resistance**
4 Feet	730	.17"	10"	75
5 Feet	960	.12"	12"	75
6 Feet	1180	.17"	12"	70

\* U.S. Patent No. 6,461,223

\*\* Equivalent resistance in feet of straight duct depending

Heights of switches, electrical receptacle and service fixtures meet requirements of ADA



## Protector Premier Laboratory Hoods

for use with remote blower



Requires  
Ductwork  
and  
Blower



Protector Premier Laboratory Hood 9683000 is shown with Spill-Supper Work Surface 964700, Protector Solvent Storage Cabinet 9902000 and Acid Storage Cabinet 9901000. Blower, ductwork, work surface and base cabinets must be ordered separately.

### All models feature:

- By-pass airflow design.
- Ergonomic air foil with aerodynamic Clean-Sweep® airflow openings.
- Glacier white, dry powder epoxy-coated steel exterior.
- One-piece molded fiberglass liner and pre-set baffle(s) with flame spread less than 25 per ASTM E-84.
- 3/16" thick tempered safety glass vertical-rising sash(es) with epoxy-coated sash handle. Sash does not extend above the hood when fully open.
- Removable front and side panels and front access panels for access to plumbing and electrical wiring.
- Pre-wired T8 fluorescent lighting, light and blower switches.
- Molded fiberglass 12.81" ID exhaust connection(s).

■ Exclusive Feature

### All models conform to the following regulations and standards:

- SEFA 1-2005
- NFPA 45-2004
- ASTM E84-01
- ASHRAE 110-95
- ANSI Z9.5-2003
- UL 3101-1/61010-1
- CAN/CSA C22.2 No. 1010.1
- UL 1805
- CE Conformity Marking (230 volt models)†

### Fixture models feature:

- Two pre-plumbed service fixtures with forged brass valves, lower right side with brass tubing for gas and lower left side with copper tubing for cold water. Components for converting either or both fixtures to air and vacuum are provided. Inlet tubing is not provided.

- One pre-wired 115 volt, 20 amp electrical duplex receptacle on lower right side (115 volt models)

### All models require (not included):

- Remote Blower.
- Ductwork.
- Work Surface.
- Base Cabinet or Stand.

### Optional accessories for on-site installation include:

- Service Fixture Kits.
- Electrical Duplex Kits.
- Guardian Jr. and Digital Airflow Monitor Kits.
- Ceiling Enclosure and Rear Finish Panel Kits.
- Distillation Grid Kits.
- Auxiliary-Air Kits.
- Sash Stop Kits.
- Snuffer Fire Extinguishers.

Contact Labconco at 800-821-5525 or 816-333-8911 for ordering information on explosion-proof lighting and other sash configurations and for blower sizing assistance.

With Sash Full Open (28")					
Nominal Width	Total Exhaust CFM and Static Pressure				
	100 fpm	S.P.	80 fpm	S.P.	
4 Feet	730	.17"	590	.11"	
5 Feet	960	.24"	770	.16"	
6 Feet	1180	.31"	940	.20"	
8 Feet	1660	.22"	1330	.15"	

With Sash 60% Open (18")**					
Nominal Width	Total Exhaust CFM and Static Pressure				
	100 fpm	S.P.	80 fpm	S.P.	60 fpm S.P.
4 Feet	470	.07"	340	.05"	280 .03"
5 Feet	610	.11"	490	.08"	370 .04"
6 Feet	750	.14"	600	.09"	450 .05"
8 Feet	1060	.08"	850	.06"	640 .03"

\* U.S. Patent No. 6,467,233

† pending

\*\* Sash stop required

⚠ Heights of switches, electrical receptacle and service fixtures meet requirements of ANSI.