Protector® Premier® Laboratory Fume Hoods

For Use with Remote Blower Specifications



All models feature:

- By-pass airflow design
- ❇ Eco-Foil™ air foil with aerodynamic Clean-Sweep™ airflow openings*
- ❇ Cord-Keeper™ slots on left and right side of air foil
- Glacier white powder-coated steel exterior
- ❇ One-piece molded fiberglass liner and pre-set baffle(s) with flame spread less than 25 per ASTM E84**
- Tempered safety glass vertical-rising sash and cable and pulley
- Powder-coated aluminum sash handle with Clean-Sweep™ openings*
- 37.5" (95.3 cm) high sightline from the work surface to header panel
- Removable front and side panels, and front service access panels for access to plumbing and electrical wiring
- Pre-wired LED lighting with vapor-proof design and ADA-compliant light and blower switches. Lighting is rated for 50,000 hours
- Molded fiberglass 12.8" ID exhaust connection(s)

Standards conformance & regulations:

- ADA
- CFR 29, Part 1910**
- SEFA 1**
- NFPA 45**
- ASTM E84-09C**
- ASHRAE 110**
- ANSI Z9.5**
- UL 61010-1**
- CAN/CSA C22.2 No. 61010-1**
- UL 1805
- CE Conformity Marking (230V models)**
- SEFA 8**

⚠**WARNING:** Cancer - P65Warnings.ca.gov (California only)

❇ Labconco exclusive feature

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 GFCI electrical duplex receptacle on lower right side and, on 8' models only, one additional pre-wired GFCI electrical duplex receptacle on lower left side

Required accessories (not included):

- Remote blower. Contact Labconco
- Ductwork. Contact Labconco
- Work surface. See pages 17-18
- Base cabinet or stand. Contact Labconco

Optional accessories for on-site installation include:

- Service Fixture Kits. See page 19
- Electrical Duplex Kits. See page 20
- Guardian Airflow Monitor Kits. See page 20
- Sash Stop Kits. See page 20
- Ceiling Enclosure, Rear Finish Panel Kits and Distillation Grid Kits. Contact Labconco

Total Exhaust CFM and Static Pressure @ 28" Sash Opening (100% Open)

Face Velocity (fpm)	Airflow Volumetric Rate (CFM) @ Static Pressure (inches of water)							
Sash @ Full Open	4' Hood		5' Hood		6' Hood		8' Hood	
	CFM	s.p.	CFM	s.p.	CFM	s.p.	CFM	s.p.
100	725	0.22	955	0.31	1180	0.41	1640	0.28
80	580	0.14	765	0.20	945	0.26	1310	0.18
60	435	0.08	575	0.11	710	0.15	985	0.10

Total Exhaust CFM and Static Pressure @ 18" Sash Opening (62.5% Open)

Face Velocity (fpm)	Airflow Volumetric Rate (CFM) @ Static Pressure (inches of water)							
Sash @ 62.5% Open	4' Hood		5' Hood		6' Hood		8' Hood	
	CFM	s.p.	CFM	s.p.	CFM	s.p.	CFM	s.p.
100	450	0.09	595	0.12	735	0.16	1025	0.11
80	365	0.06	480	0.08	590	0.10	820	0.07
60	270	0.03	360	0.04	440	0.06	615	0.04

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

**See page 21 for list of regulations, standards and registered trademarks

♿ Heights of switches and electrical receptacles meet requirements of ADA when work surface is set to ADA height.

Protector® Premier® Laboratory Fume Hoods

For Use with Remote Blower Ordering Information & Dimensional Data

Catalog Number Configurator:

Use this key to configure the nine digit catalog number to order your Protector Premier Laboratory Hood.

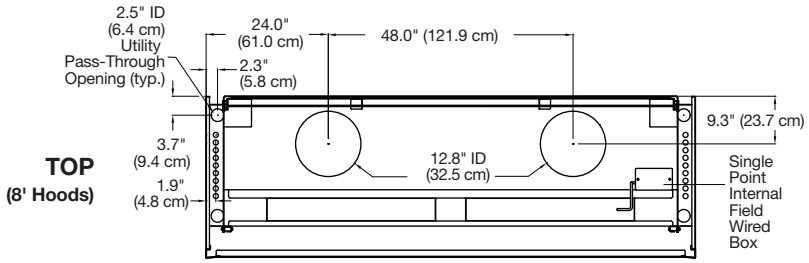
1 0 0 ☐ 0 0 0 ☐ ☐

Select the **WIDTH** of your fume hood. This is the fourth digit of your catalog number. Shipping weight is also noted. Add 10 lbs. (5 kg) for fixtured models.

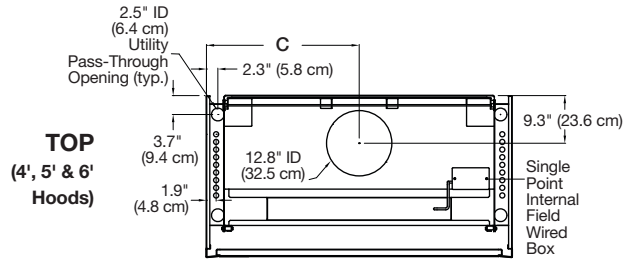
4 = 4' (122 cm), 325 lbs. (147 kg)
5 = 5' (152 cm), 410 lbs. (186 kg)
6 = 6' (183 cm), 485 lbs. (220 kg)
8 = 8' (244 cm), 650 lbs. (295 kg)

Select the **ELECTRICAL REQUIREMENTS, SERVICE FIXTURES** and **GFCI ELECTRICAL DUPLEX RECEPTACLE** of your fume hood. These are the eighth and ninth digits of your catalog number.

Electrical Requirements	No Service Fixtures	Two Service Fixtures	Two Service Fixtures & GFCI Duplex*
100-115V, 50/60 Hz, 10A	00	—	02
208-230V, 50/60 Hz, 5A	20	21	—

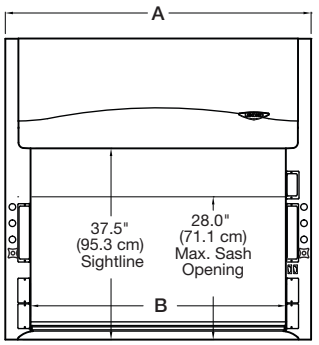


TOP (8' Hoods)

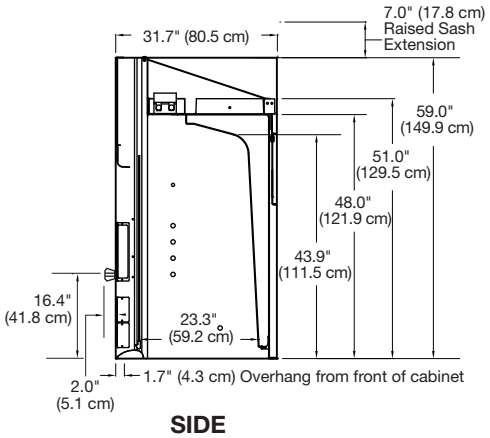


TOP (4', 5' & 6' Hoods)

	A	B	C
4' Hood	48.0" (121.9 cm)	38.1" (96.8 cm)	24.0" (61.0 cm)
5' Hood	60.0" (152.4 cm)	50.1" (127.3 cm)	30.0" (76.2 cm)
6' Hood	72.0" (182.9 cm)	62.1" (157.7 cm)	36.0" (91.4 cm)
8' Hood	96.0" (243.8 cm)	86.1" (218.7 cm)	—



FRONT



SIDE

Contact Labconco at (800) 821-5525 or (816) 333-8811 or visit labconco.com for BIM Revit® and detailed AutoCAD® drawings. See page 21 for trademark information.