8' Protector XStream I-S Laboratory Hood with 2 service fixtures

LABCONCO

Overview

The Protector XStream I-S Laboratory Hood takes containment, safety and energy savings to the extreme. With integrated sash position blower controls, this hood was designed for use with Intelli-Sense Multi-Speed Blowers. As the sash is raised or lowered, sensors alert the blower to change speeds to maintain a safe face velocity. That face velocity is displayed on the factory-installed Guardian™ Digital Airflow Monitor for users' peace of mind.

This general chemical, high performance fume hood was independently tested and challenged well beyond the SEFA-1 standards. With a face velocity of 40 fpm and sash fully open, the Protector XStream I-S was subjected to 50 fpm cross drafts, NIH protocol, and tracer gas measurements in the chest of the mannequin. In all scenarios, the Protector XStream I-S allowed 0.00 ppm average level of tracer gas outside the fume hood. Although your safety officer will determine the actual face velocity setting for your laboratory, the ability of this hood to contain under these adverse conditions sets a new standard of safety.

Catalog Number: 110816021

Safety is foremost, but energy savings is equally impressive. Although face velocity is a factor, it's the volumetric rate (CFM) that determines the energy consumption. Operating a 6' Protector XStream I-S at 60 fpm face velocity, with the sash in its fully open position, requires only 690 CFM. Regardless of your desired operating face velocity, the Protector XStream I-S yields the lowest required CFM of any hood.

SEE OUR SUSTAINABILITY INITIATIVES

Specifications

- **Weight:** 780.0 lbs
- **Weight metric:** 353.8 kg
- **Dimensions:** 96.0" w x 37.7" d x 59.0" h
- **Dimensions metric:** 243.8 x 95.8 x 149.9 cm
- **Electrical:** 208-230V, 50/60 Hz, 5A
- **Product Subcategory:** General Chemistry
- **Nominal Width:** 8'

- **Blower Requirements:** Remote blower required
- **Conformance:** ADA, ANSI Z9.5, ASHRAE 110, ASTM E84, CAN/CSA C22.2, CE, CFR 29, NFPA 45, SEFA 1, UL 1805, UL 61010
- **Enclosure Height:** 59.0"
- **Exterior Depth:** 37.7" (95.8 cm)
- **Lighting:** LED
- **Service Fixtures:** 2
- **Style:** Benchtop

Description

Features (All Models)

- 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

- Upper Dilution Air Supply

- Factory-installed Intelli-Sense Blower control box

- Factory-installed sash position activated blower speed switches

- Factory-installed Guardian™ Digital Airflow Monitor

- Glacier white powder-coated steel exterior

- Rear Downflow Dual Baffle System

- Chemical-resistant, fiberglass-reinforced, composite panel liner and baffles with flame spread index less than 25 per ASTM E84. Baffles are removable for cleaning

- Opti-Zone™ Baffle with tapered slots

- Tempered safety glass vertical-rising sash

- Powder-coated sash handle with aerodynamic Clean-Sweep™ openings

- 37.5" (95.3 cm) high sightline from the work surface to the header panel

- Removable front and side panels, and front and interior 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 rated to 50,000 hours.

- Sash stop located at 18" (45.7 cm) sash opening position

- Powder-coated stainless steel, 12.81" (32.5 cm) ID exhaust connection(s)

Fixtured Models May 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)

- Intelli-Sense Multi-Speed Remote Blower (without control box)
- Ductwork
- Work Surface
- Base Cabinet or Stand
- Dedicated Exhaust

Optional Accessories

- Service Fixture Kits (Some models include service fixtures)
- Electrical Duplex Kits (Some models include electrical duplex)
- Distillation Grid Kits
- Sash Stop Kits
- Ceiling Enclosure and Rear Finish Panel Kits

Compliance

- CFR 29, Part 1910
- Exceed SEFA 1 definition when tested to ASHRAE 110
- NFPA 45
- ASTM E84-09C
- ANSI Z9.5
- UL 61010-1
- CAN/CSA C22.2 No. 61010-1
- UL 1805
- CE Conformity Marking (230 volt models)
- SEFA 8
- ADA (Contact Labconco for ADA-compliant models)

For Product Assistance

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