

Protector XStream I-S Laboratory Hoods



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 challenge 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 condition sets a new standard of safety.

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. Operatin

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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

Our most energy-efficient benchtop hoods have containment-enhancing features that allow them to operate at face velocities as low as 60 fpm. Their integrated sash position sensors automatically adjust the blower speed as the sash is raised or lowered.

Additional Features & Specifications

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
- 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)
- 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)

4' Protector XStream I-S

Laboratory Hood



Catalog # 110416000

Nominal Width: 4'

Blower Requirements: Remote
blower required

Exterior Depth: 37.7" (95.8 cm)

Service Fixtures: 0

Style: Benchtop

4' Protector XStream I-S

Laboratory Hood with 2 service
fixtures

Catalog # 110416021



Nominal Width: 4'

Blower Requirements: Remote
blower required

Exterior Depth: 37.7" (95.8 cm)

5' Protector XStream I-S

Laboratory Hood



Nominal Width: 5'

Blower Requirements: Remote
blower required

Exterior Depth: 37.7" (95.8 cm)

Service Fixtures: 0

Style: Benchtop

4' Protector XStream I-S

Laboratory Hood



Catalog # 110416020

Nominal Width: 4'

Blower Requirements: Remote
blower required

Service Fixtures: 0

Style: Benchtop

4' Protector XStream I-S

Laboratory Hood with 2 service
fixtures and 1 electrical duplex

Catalog # 110416002

Nominal Width: 4'

Blower Requirements: Remote
blower required

Exterior Depth: 37.7" (95.8 cm)

Service Fixtures: 2 and GFCI
Duplex

Style: Benchtop

5' Protector XStream I-S

Laboratory Hood



Nominal Width: 5'

Blower Requirements: Remote
blower required

Service Fixtures: 0

Style: Benchtop

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



Catalog # 110516021

Nominal Width: 5'

Blower Requirements: Remote
blower required

Exterior Depth: 37.7" (95.8 cm)

Service Fixtures: 2

Style: Benchtop

5' Protector XStream I-S
Laboratory Hood with 2 service
fixtures and 1 electrical duplex



Catalog # 110516002

Nominal Width: 5'

Blower Requirements: Remote
blower required

Exterior Depth: 37.7" (95.8 cm)

Service Fixtures: 2 and GFCI
Duplex

Style: Benchtop

6' Protector XStream I-S
Laboratory Hood



Catalog # 110616000

Nominal Width: 6'

Blower Requirements: Remote
blower required

Exterior Depth: 37.7" (95.8 cm)

Service Fixtures: 0

6' Protector XStream I-S
Laboratory Hood



Catalog # 110616020

Nominal Width: 6'

Blower Requirements: Remote
blower required

Service Fixtures: 0

Style: Benchtop

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



Catalog # 110616021

Nominal Width: 6'

Blower Requirements: Remote
blower required

Exterior Depth: 37.7" (95.8 cm)

Service Fixtures: 2

Style: Benchtop

6' Protector XStream I-S
Laboratory Hood with 2 service
fixtures and 1 electrical duplex



Catalog # 110616002

Nominal Width: 6'

Blower Requirements: Remote
blower required

Exterior Depth: 37.7" (95.8 cm)

Service Fixtures: 2 and GFCI
Duplex

Style: Benchtop

8' Protector XStream I-S

Laboratory Hood



Catalog # 110816000

Nominal Width: 8'

Blower Requirements: Remote blower required

Exterior Depth: 37.7" (95.8 cm)

Service Fixtures: 0

Style: Benchtop

8' Protector XStream I-S

Laboratory Hood with 2 service fixtures



Catalog # 110816021

Nominal Width: 8'

Blower Requirements: Remote blower required

Exterior Depth: 37.7" (95.8 cm)

Service Fixtures: 2

Style: Benchtop

8' Protector XStream I-S

Laboratory Hood



Catalog # 110816020

Nominal Width: 8'

Blower Requirements: Remote blower required

Service Fixtures: 0

Style: Benchtop

8' Protector XStream I-S

Laboratory Hood with 2 service fixtures and 2 electrical duplexes



Catalog # 110816002

Nominal Width: 8'

Blower Requirements: Remote blower required

Exterior Depth: 37.7" (95.8 cm)

Service Fixtures: 2 and GFCI Duplex

Style: Benchtop

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