Product datasheet

CaptairFlow 714

Clean air enclosure

Providing an ultra-clean, dust free enclosure

CaptairFlow vertical laminar flow cabinets are designed for tissue culture, non-pathogenic biological samples, food microbiology, cell culture, semi - conductor assembly:

Dust free workstation

- Protection against dust contamination
- Internal dust - free air quality achieved by high efficiency particulate filter (s) (HEPA H14 or ULPA U17)
- Optional carbon filter to protect samples from VOCs present in the laboratory room
- Class 5 air quality in the enclosure according ISO 14644-1

UV-C Germicidal Lamp

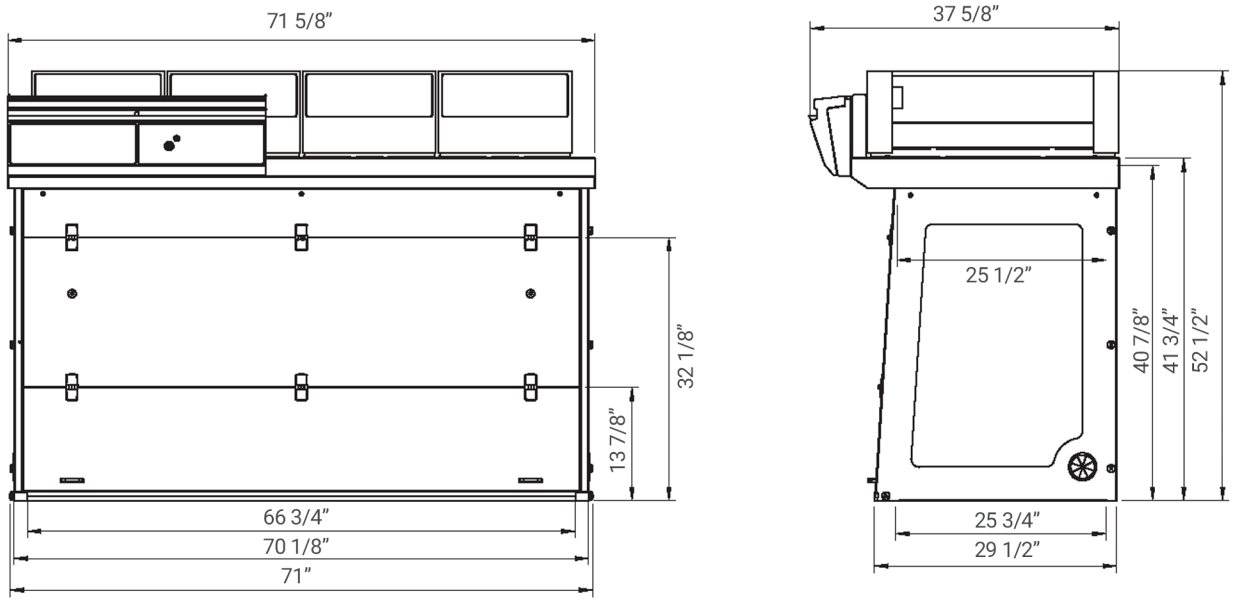
- To sterilize the interior and contents before usage to prevent cross-contamination from the previous experiment
- This UV lamp switches off automatically if the operator opens the lower door by accident during decontamination

Easy to Clean

- Seamless worktop with smooth corners (available in TRESPA®TopLab^{PLUS} laminate or Stainless steel 304 L)
- Non-porous material

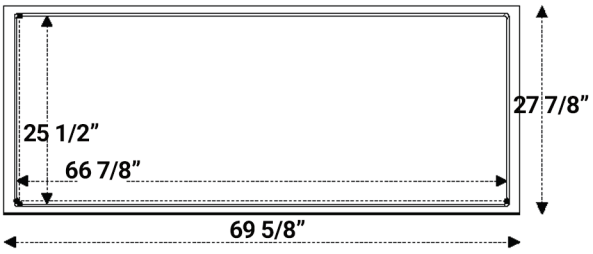
Ergonomic Design

- 4 models available for your handlings with large openings for easy access to your work
- Slanted sash provides an ergonomic position for comfort and productivity
- High luminosity, internal LED lighting > 800 lux

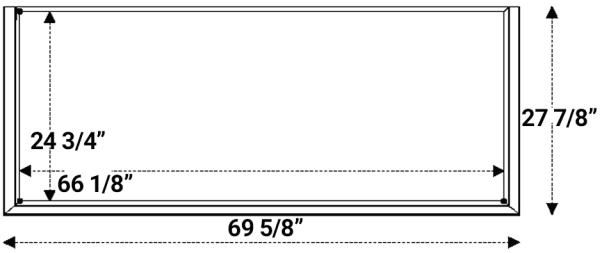


Please add 5 7/8" between the last filter and the ceiling to allow good air recirculation and to replace filters easily.

Work surface with built in spray tray

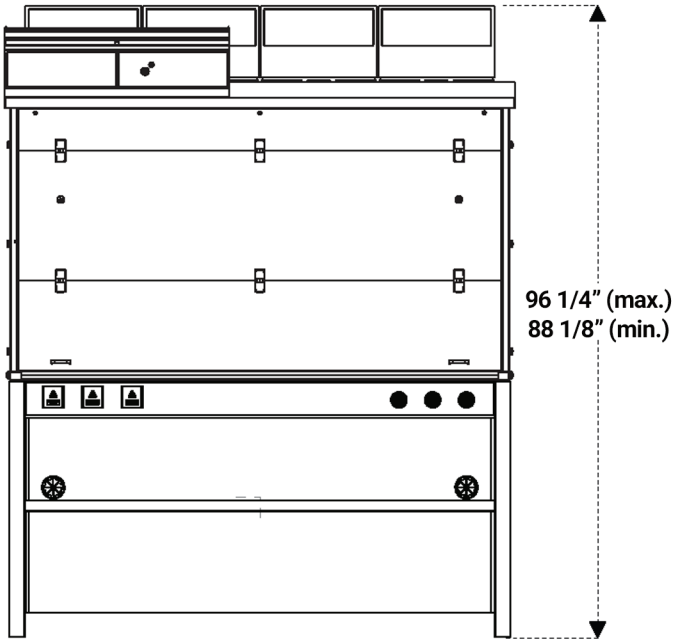


TRESPA®TopLab^PLUS Trespa® Top Lab^PLUS



Stainless steel 304 L

Benchcap: fixed work bench



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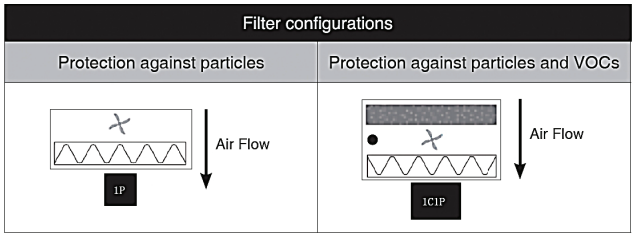
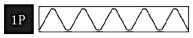
Designed with you in mind: Our filtration column can be configured for your specific application requirements.



Ventilation

Molecode : Automatic alarm to detect filter breakthrough

Filter types:



Particulate filtration for powders

Carbon filtration for gases and vapors

Model	1P	1C1P
Safety Standards	NF EN 61010 - CE Marking - EN 1822:1998 (HEPA H14 & ULPA U16 Filters) Air quality within the enclosure: ISO Class 5* EN 14644-1 standard	
External Width	71"	
External Depth	29 1/2"	
External Height	52 1/2" - 59 3/4"	
Internal Width	66 3/4"	
Internal Depth	25 1/2" - 25 5/8"	
Internal Height	40 7/8"	
Voltage/Fequency (V-Hz)	100-240 / 50-60	
Air Face Velocity (fpm)	68	
Air Flow (CFM)	612	406
Power Consumption	105	110
Decibel Level (dBA)	59	56
Side and front panels	Chemical resistant acrylic	
Structure	Corrosion resistant electro-galvanized steel coated with anti-acid polymer	
Filtration Module	Polypropylene	

Filtration

Particulate filter (1P)	HEPA H14: This filtration technology traps particles larger than 0.1µm with 99.995% efficiency according to the MPPS method set forth in the EN 1822-1 standard. ULPA U16: This filtration technology traps particles larger then 0.1 µm with 99.999995% efficiency according to the MPPS method set forth in the EN 1822-1 standard.
Molecular Filter (optional)(1C)	Adding a carbon filter to your enclosure allows protection of your samples from VOCs. AS filter: For organic vapors
Particulate pre-filter	Protect particulate filters from dust contained in the laboratory environment (only for 1P version)

Features

Worktop	TRESPA®TopLab^{PLUS}, Glass or 304L Stainless Steel
Internal Lighting	LED-IP 44 - 6000K
	1000 lux
Connectivity	RJ45 cable connection to view and change workstation settings (cable included)
Anemometer	Monitors a drop in pressure that indicates pre-filter or filter replacement is required
Side panel utility ports	2 per unit - to allow electrical cables and/or fluid lines to engter the enclosure with ease
UV Light	Located on back panel - 15W - wave lenght: 254nm

Accessories

Benches	Fixed bench (Benchcap)
Shelves	Internal metal sliding shelf (only for Benchap)
Molecode S	Automatic detection of VOC filter breakthrough

The Erlab Research and Development laboratory

About Erlab

Since 1968, **Erlab** has been a specialist, inventor and world leader in **ductless, zero-emission filtering fume hoods for laboratories** to provide total safety in chemical handling.

1 Erlab filtration

We provide technologies to protect laboratory staff from inhaling chemicals. This is made possible thanks to our Research and Development (R&D) department, which has continuously improved our filtration technology for more than 50 years. That's why, in 2009, we invented the ERLAB ABOVE label for tried and tested filtration technology.

2 The AFNOR NF X 15-211: 2009 standard

Erlab's filtration technology conforms to the NF X 15-211: 2009 standard, the industry's most demanding standard for molecular filtration, developed by a committee of independent scientists and specialized manufacturers.

This text imposes performance criteria linked to:

- Filtration efficiency
- Containment efficiency
- Air face velocity
- Documentation: chemical listing

3 The ESP program

A set of three services included with the purchase of each device designed to ensure your safety.

eValiQuest Risk analysis – Determination of protection needs – Determination of ergonomic needs.

ValiPass Certified installation – Total safety for handling.

ValiGuard Ongoing monitoring – Preventative and maintenance inspections – Device reconfiguration based on protection needs – Development of handling.

4 Flex technology

The combination of molecular and particulate filtration technologies allows a single device to meet laboratories' protection needs. This innovation from Erlab's R&D department offers unprecedented flexibility, versatility and value. A single device can be reconfigured over time and easily reassigned to other applications.

5 Smart technology

Smart technology is a simple and innovative means of communication that improves safety. This technology uses a light and sound signal to indicate the user's level of protection. The advantages of the technology are:

1/ Light pulsation: Real-time communication via LED light pulses intuitively alerts the user to the device's operating status.

2/ Simplicity: One-touch activation.

3/ Detection system: The exclusive detection system continuously monitors filtration performance.

4/ Built-in monitoring: This service provides direct access to the status, settings and history of your device.

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