

captair® store by erlab

DUCTLESS FILTERING STORAGE CABINETS

INDIVIDUAL FILTERING STORAGE ENCLOSURE FOR THE DAILY USE

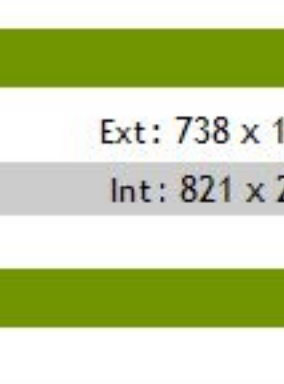


- 1 Blower
- 2 Molecular filter
- 3 Open front
- 4 Retaining tray

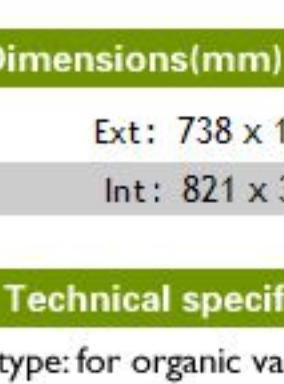
A shelf™ 812 storage enclosure is equipped with a blower and a molecular filter (figure 5) capable to retain the vapours escaping from chemical bottles in use. It offers a large opened front allowing the user to place inside the bottles during the day. The blower (extremely silent, only 45 dbA), takes the air of the room to the storage enclosure. The induced air flow carries along the chemical vapors to the molecular filter where they are safely eliminated (filtration according to class 2 of the NFX 15-211). After filtration, the purified air returns into the room. A shelf™ 812 can be installed immediately at any workstation and just needs to be connected to a standard electrical socket to be in service. It can be either installed directly on the bench top, or on leg supports or fixed to the wall.

The shelf™ 812 is made of galvanized steel, coated with chemical resistant epoxy-polyester paint.

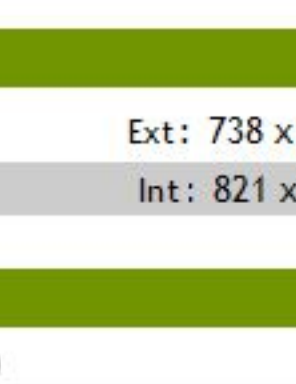
3 versions available



Shelf 812 A on bench version



Shelf 812 B on legs version



Shelf 812 C wall mounted version

Dimensions(mm) (L x D x H)

Ext: 738 x 188 x 348
Int: 821 x 280 x 582

Ext: 738 x 188 x 348
Int: 821 x 310 x 792

Ext: 738 x 188 x 348
Int: 821 x 310 x 792

Technical specifications

2F1 AS filter type: for organic vapors (acids secondary)

2F1 BE filter type: for acid vapors & Organic vapors

Noise level: 45 dbA

Volume of air treated: 75 m³/h

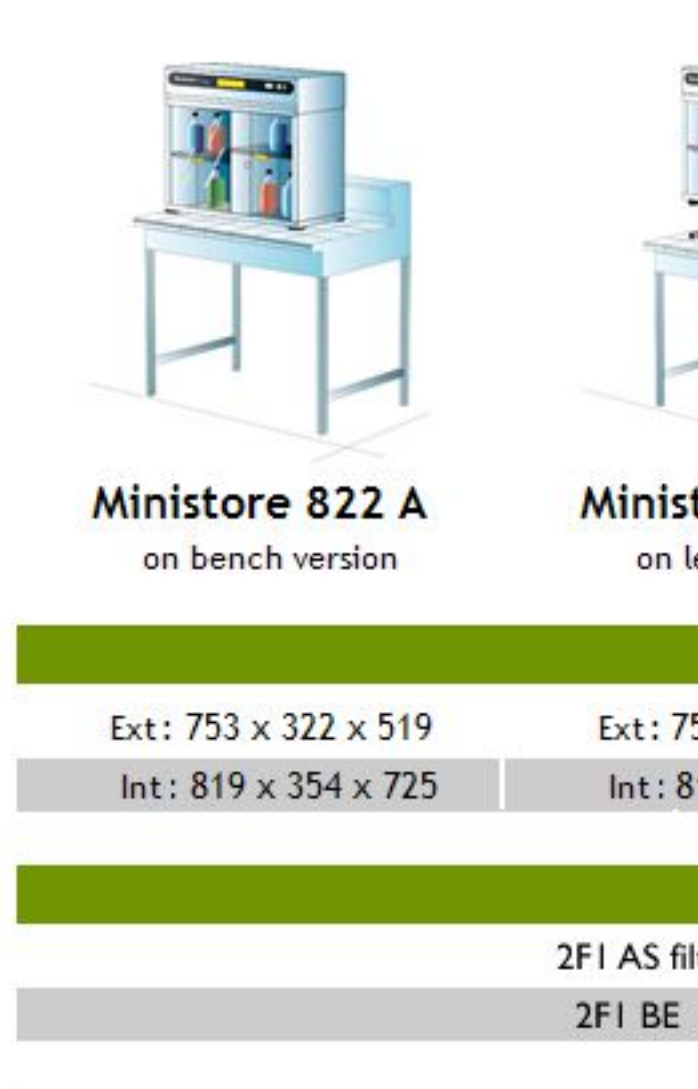
Air exchange: 25 times/min

Voltage/Frequency: According to the country of delivery

Power consumption : 20 W

Amperage: 0.17 A

SMALL SIZE FILTERING STORAGE CABINET FOR THE MEDIUM TERM STORAGE



- 1 Blower
- 2 Molecular filter
- 3 Sliding doors
- 4 Adjustable shelves
- 5 Retaining tray

A ministore™ 822 cabinet is equipped with a blower and a molecular filter designed to retain the vapours escaping from chemical bottles stored inside. It includes 2 acrylic sliding doors, lockable, 2 adjustable shelves and 2 compartments allowing the user to separate non compatible chemicals. The blower (extremely silent, only 45 dbA), takes the air of the room to the storage enclosure. The induced air flow carries along the chemical vapours to the molecular filter where they are safely eliminated (filtration according to Class 2 of the NFX 15-211). After filtration, the pure air returns into the room. A ministore™ 822 can be installed immediately at any workstation and just needs to be connected to a standard electrical socket to be in service. It can be either installed directly on the bench, on leg supports, fixed to the wall or placed under the benchtop. The ministore™ 822 is made of galvanized steel, coated with chemical resistant epoxy-polyester paint. The body of ministore™ 822 PP is made of polypropylene and the filter-housing is made of galvanized steel, coated with chemical resistant epoxy-polyester paint.

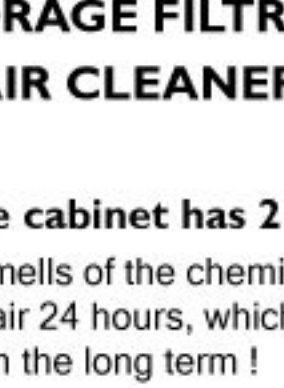
4 versions available



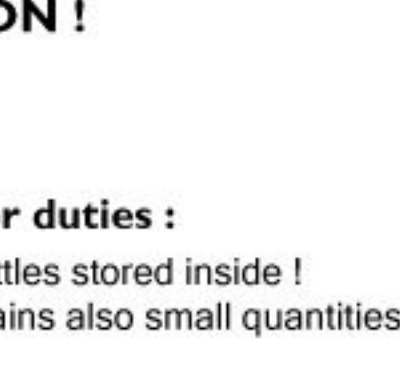
Ministore 822 A on bench version



Ministore 822 B on legs version



Ministore 822 C wall mounted version



Ministore 822 D under bench version

Dimensions(mm) (L x D x H)

Ext: 753 x 322 x 519
Int: 819 x 354 x 725

Ext: 753 x 322 x 519
Int: 819 x 435 x 911

Ext: 753 x 322 x 519
Int: 819 x 372 x 705

Ext: 753 x 322 x 519
Int: 819 x 354 x 725

Technical specifications

2F1 AS filter type: for organic vapors (acids secondary)

2F1 BE filter type: for acid vapors & Organic vapors

Noise level: 45 dbA

Volume of air treated: 75 m³/h

Air exchange: 25 times/min

Voltage/Frequency: According to the country of delivery

Power consumption : 20 W

Amperage: 0.17 A

POWERFUL CHEMICAL STORAGE FILTRATION ! POWERFUL ROOM-AIR CLEANER



A filtering storage cabinet has 2 major duties :
to filter the harmful smells of the chemical bottles stored inside !
to filter the lab room air 24 hours, which contains also small quantities of chemicals, harmful on the long term !

Therefore eliminating all traces of chemicals which could be inhaled by the chemists and are dangerous for them on the long term.

Patented flexible modular filtration column
The filtration system consists in a ventilation box and high performance air filters which can be stacked vertically to form a multi-layer filtration column. It combines various type of molecular and particle filters according to the chemicals to be filtered and allows to install the storage cabinet in a clean-room when equipped with a High Efficiency Particulate filters above the column.

Isolated storage compartments
Allows to separate non-compatible chemicals.

Large transparent double doors with lock
Allows for an immediate vision and inventory of the available chemicals.

Safety lock
to secure safely the access to the chemicals stored in the cabinet !

Chemical resistant PP shelves
Each compartment is equipped with 5 adjustable shelves, made of polypropylene (PP), a highly resistant to chemicals, including strong acids, and built as a retaining tray (3 liters) in case a bottle breaks.

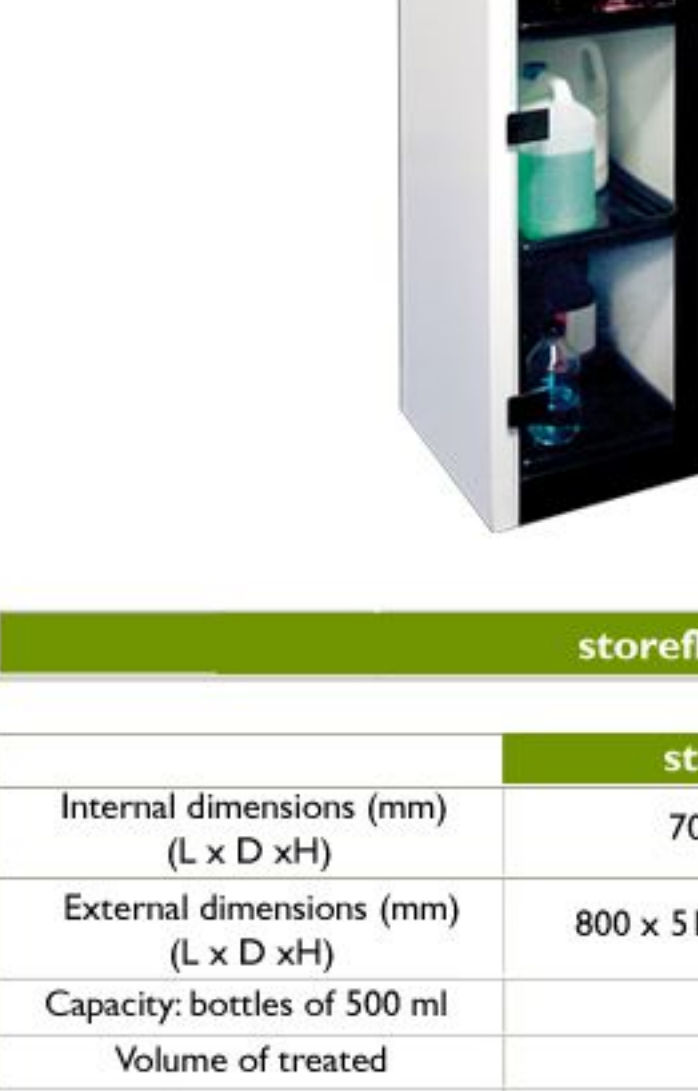
Large transparent double doors with lock
Allows for an immediate vision and inventory of the available chemicals.

Patented revolving system
The filter column can be equipped with an additional safety filter M2, which will replace the main one M1 when it is saturated. It ensures that no chemical will enter the room even when the main filter is saturated. With a revolving system, the life of each filter will be increased by up to 50% !

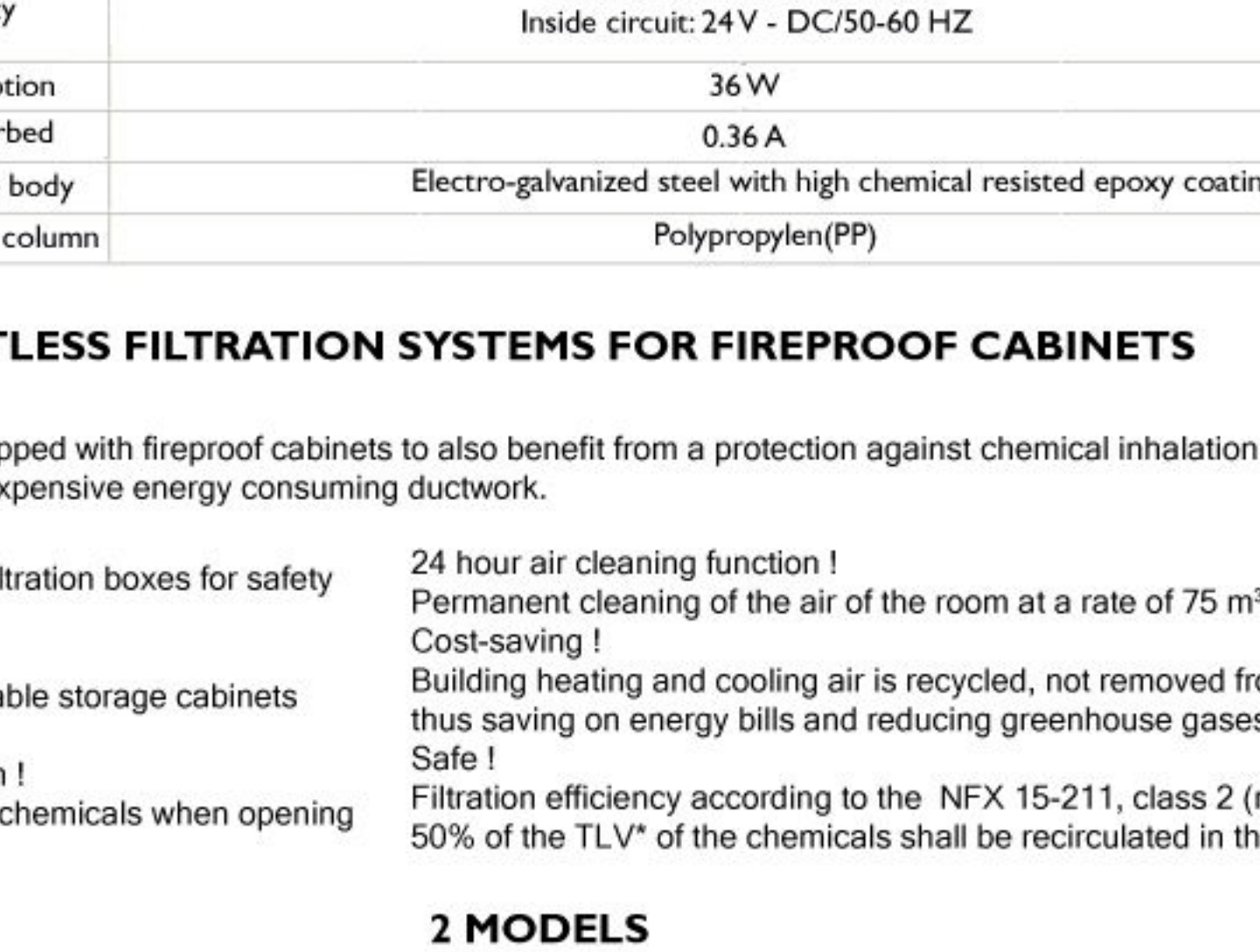
Computerized monitoring panel
Control fan operation, airflow volume, detection time, and automatic detector functions.

Detection sampling port
Allows for manual detection of the filter saturation using colorimetric reactive tube and pump.

Optional Molecodet™ S detector
Programmable automatic detector for the saturation of molecular filters with solvents, equipped with a room air pollution detector and a filter saturation detector.



2 MODELS OF HIGH PERFORMANCE DUCTLESS FILTERING STORAGE CABINETS



storeflex™ 834 storeflex™ 1634

	storeflex™ 834	storeflex™ 1634
Internal dimensions (mm) (L x D x H)	708 x 450 x 1750	1510 x 450 x 1634
External dimensions (mm) (L x D x H)	800 x 510 x 2170 up to 2360	1600 x 510 x 2205 up to 2395
Capacity: (bottles of 500 ml)	160 bottles	320 bottles
Volume of treated	Approx 220 m³/h	
Noise level	49 dbA	
Number of adjustable shelves	10 shelves	20 shelves
Shelf weight resistance	25 Kg	
Spill shelf volume	Over 3 liters	
Voltage / Frequency	External connection: 100-240 V Inside circuit: 24V - DC/50-60 HZ	
Total power consumption	36 W	
Max.amperage absorbed	0.36 A	
Material of the storage body	Electro-galvanized steel with high chemical resisted epoxy coating	
Material of the filtration column	Polypropylene(PP)	

DUCTLESS FILTRATION SYSTEMS FOR FIREPROOF CABINETS

The laboratories are equipped with fireproof cabinets to also benefit from a protection against chemical inhalation risks without having to connect to an expensive filtration boxes for safety storage cabinets !

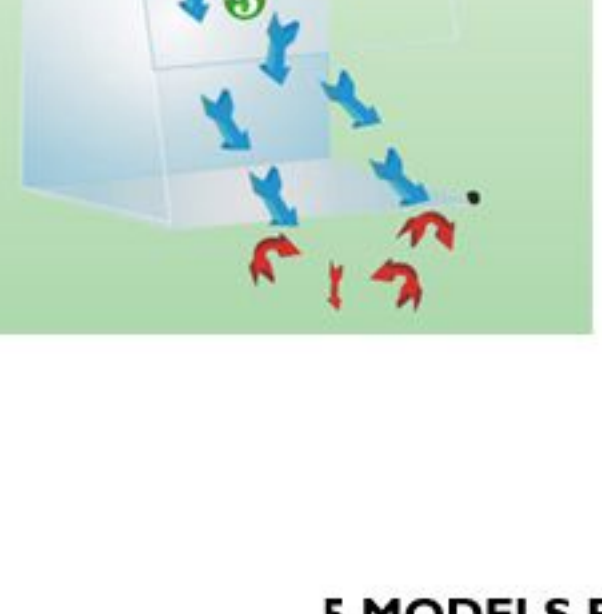
Easy set-up !
It is easy to assemble a filtration boxes for safety storage cabinets !
Universal !
Fits to most of the flammable storage cabinets available on the market.
Protection of user's health !
No inhalation of the toxic chemicals when opening the cabinet.

24 hour air cleaning function !
Permanent cleaning of the air of the room at a rate of 75 m³/h.
Cost-saving !
Building heating and cooling air is recycled, not removed from the room, thus saving on energy bills and reducing greenhouse gases.
Safe !
Filtration efficiency according to the NFX 15-211, class 2 (not more than 50% of the TLV* of the chemicals shall be recirculated in the room).

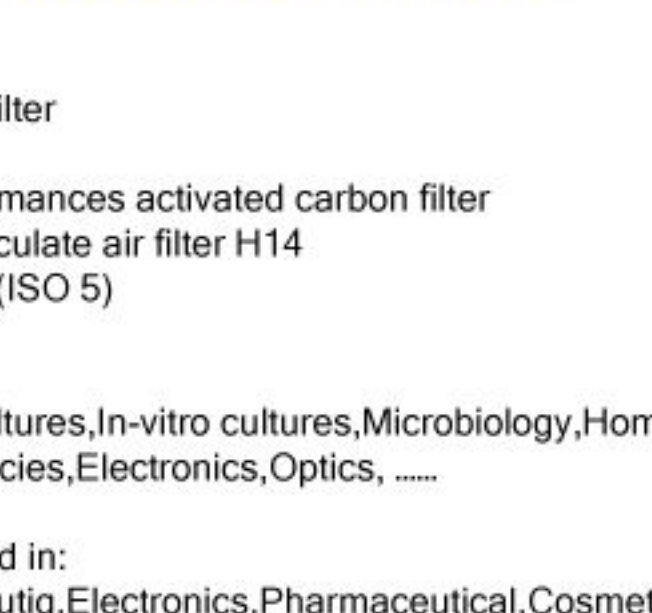
2 MODELS



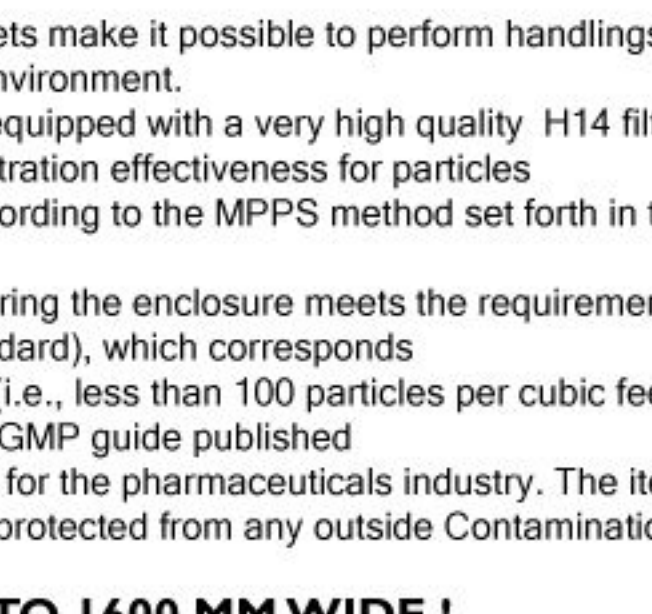
- 1 Fan
- 2 Molecular filter
- 3 Connection pipe



venticap™ 502



- 1 Air admission module
- 2 Air exhaust module



chemtrap™ V 201

- 1 - SAMPLING PORT
Provides sampling access to the filter outlet air stream. Allows the filter saturation to be tested.
- 2 - VENTALARM
Notification in case of ventilation failure.
- 3 - VENTICODE
Fully automatic and audible alarm to detect filter saturation by organic chemicals.

- 1 - SAMPLING PORT
Allows for sampling the air downstream the carbon filters using colorimetric reactive tubes and a pump (not supplied).
- 2 - FAN FAILURE ALARM
Monitor the ventilation and alert in case of ventilation failure.
- 3 - SECURIFILTER
Visual and audible alarm to detect filters saturation by hydrocarbons.

	venticap™ 502	chemtrap™ V 201
Dimensions (mm) (L x D x H)	570 x 390 x 270	200 x 537 x 605
Volume of air treated	75 m³/h	
Voltage/Frequency	According to the country of delivery	
Noise level	57 dbA	55 dbA
Total power consumption	65 W	19 W
Amperage	0.8 A	0.1 A
Flexible duct connection	1 meter connection pipe diam	1 meter (ø 80 mm) Flexible connecting flange: ø 75 to 110 mm

captair® flow CLEAN AIR ENCLOSURES by erlab



- 1 - High efficiency pre-filter
- 2 - Ventilation box
- 3 - Optional high performance activated carbon filter
- 4 - High efficiency particulate air filter H14
- 5 - Clean air class 100 (ISO 5)

Applications:
Non-pathogenic cell cultures, In-vitro cultures, Microbiology, Homeopathic preparations in pharmacies, Electronics, Optics,

Laboratories specialized in:
Biology, Botany, Aeronautiq, Electronics, Pharmaceutical, Cosmetics,

The CaptairFlow cabinets make it possible to perform handlings in an ultra-clean, dust-free environment.
The housing, which is equipped with a very high quality H14 filter, guarantees 99.995% filtration effectiveness for particles larger than 0.3 µm (according to the MPPS method set forth in the EN 1822-1 Standard).

The ultra-clean air entering the enclosure meets the requirements of ISO class 5 (EN ISO 14-644 standard), which corresponds to American class 100 (i.e., less than 100 particles per cubic feet > 0.3 µm) and to class A and B of the GMP guide published by the European Union for the pharmaceuticals industry. The items located within the enclosure are thus protected from any outside Contamination.

5 MODELS FROM 800 MM UP TO 1600 MM WIDE !



M 321F M 391F M 632F XLS 483F

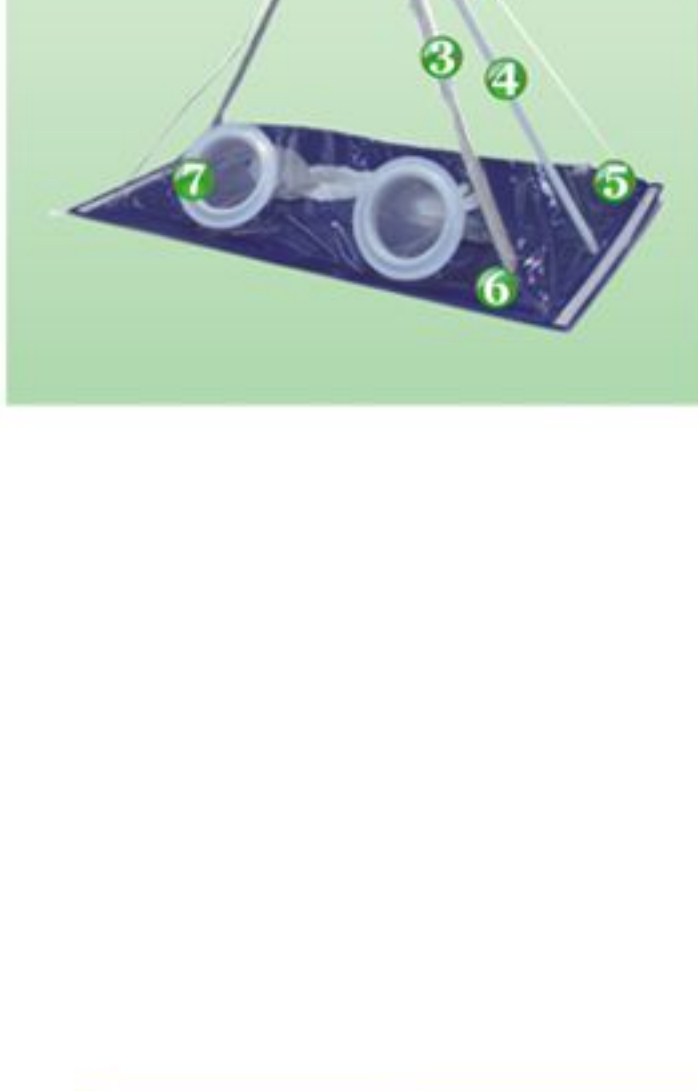
	M 321F	M 391F	M 632F	XLS 483F
Internal dimensions (mm) (L x D x H)	764 x 546 x 866	897 x 522 x 866	1497 x 522 x 866	1172 x 692 x 1014
External dimensions (mm) (L x D x H)	800 x 620 x 1161 up to 1246	1000 x 620 x 1161 up to 1246	1600 x 620 x 1161 up to 1246	1275 x 790 x 1316 up to 1400
Number of fans (Lp44)	1	1	2	3
Air flow rate	230 m³/h	230 m³/h	460 m³/h	690 m³/h
Total power consumption	58 W	58 W	125 W	175 W
Amperage absorbed	0.58 A	0.58 A	1.25 A	1.75 A
Noise level	52 dbA	52 dbA	55 dbA	58 dbA

Voltage/Frequency: 100-240V/50-60 HZ

Air velocity at openings: >0.3 m/s

Filter type: H 14

captair® bio PCR WORKSTATIONS by erlab

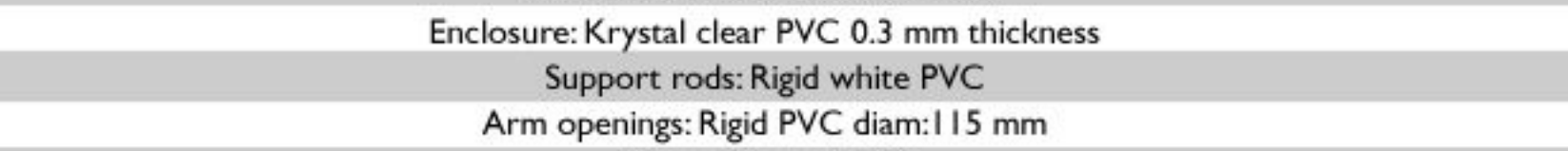


- 1 - High efficiency pre-filter
- 2 - Ventilation box
- 3 - High efficiency particulate air filter H14
- 4 - UV lamp
- 5 - Clean air class 100 (ISO 5)

Applications:
Samples preparation before thermocycling, Post PCR DNA sequencing revelation / separation, In Vitro fecondations, Cellular cultures, Vegetal Biology, Sterile solutions preparations
Designed to protect a RNA or DNA sample from cross-contamination, contamination from the room and from the operator during its amplification, the captair®bio is equipped with a blower and a H14 filter. It works as a vertical laminar flow: the air from the room is blown into the enclosure through the H14 filter, preventing any DNAs or RNases present in the room to contaminate the DNA or RNA sample. This air is ejected towards the operator, preventing contamination from the operator even when he introduces his hands into the enclosure. A UV lamp controlled by a timer is used to decontaminate the enclosure with UV rays between 2 successive PCR* experiments to avoid cross-contamination.

Using a BSC Biological Safety Cabinet class II, is not ideal for PCR, since a BSC is designed to protect the sample and the operator. But for PCR the main problem is to protect the sample against the operator. Using a BSC may provoke a contamination of the DNA sample by the DNAs or RNases of the operator.

3 MODELS FROM 800 MM UP TO 1700 MM WIDE !



321 391 712

	321	391	712
Internal dimensions (mm) (L x D x H)	767 x 530 x 600	969 x 523 x 640	1711 x 523 x 630
External dimensions (mm) (L x D x H)	800 x 657 x 890	1010 x 677 x 950	1750 x 689 x 950
Number of fans (Lp44)	1	1	2
Air flow rate	230 m³/h	230 m³/h	460 m³/h
Total power consumption	58 W	58 W	105 W
Amperage absorbed	0.58 A	0.58 A	1.05 A
Noise level	52 dbA	52 dbA	55 dbA

Voltage/Frequency: 100-240V/50-60 HZ

Air velocity at openings: >0.3 m/s

Filter type: H 14

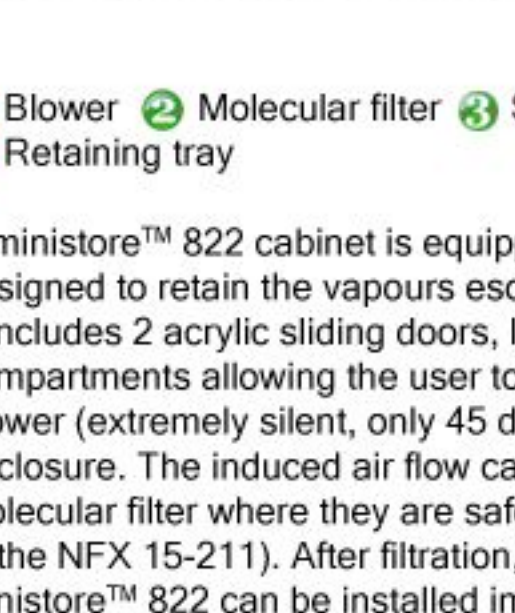
captair® pyramid Disposable glove box for the protection of the user and sensitive products by erlab

- 1 - O-Ring
- 2 - PVC enclosure
- 3 - Zipper opening
- 4 - Support rods
- 5 - Valve
- 6 - PVC base
- 7 - PVC medical gloves

pyramid™ 2200 is a multi-function disposable glove box, made of high quality transparent PVC. Assembled in a few seconds, it can be used anywhere (indoor or outdoor), the slanted shape of the enclosure provides a very ergonomic working position to the operator. Light, mobile and disposable, the pyramid™ 2200 is an ideal flexible protection tool which can suit many specific protection requirements in each laboratory.

Applications:
Opening of suspicious packages
Handlings under inert gas atmosphere
On-site sample collection (maternal evidence, ...)
Fingerprint analysis
Protection from spillages (biopsy, etc...)
Product protection from dust or humidity etc...

I MODELS



pyramid™ 2200

External dimensions	Length L	Length W	Length H
	860 mm/ 33.86 inch	560 mm/ 22.05 inch	725 mm/ 28.54 inch

Base: Blue PVC 0.4 mm thickness

Enclosure: Krystal clear PVC 0.3 mm thickness

Support rods: Rigid white PVC

Arm openings: Rigid PVC diam: 115 mm

Gloves: Medical PVC

Temperature: -25 °C to +45 °C

Net weight: 1.55 Kg