erlab
You can breathe.

Product datasheet

GFH 7500

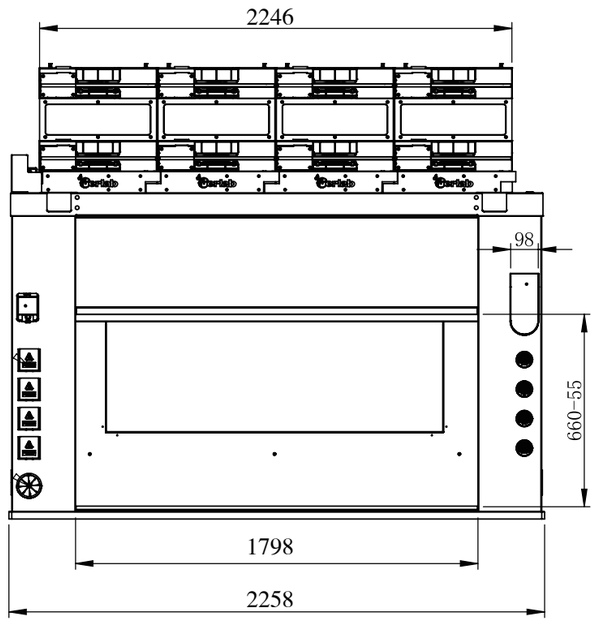
Advanced filtration fume hood

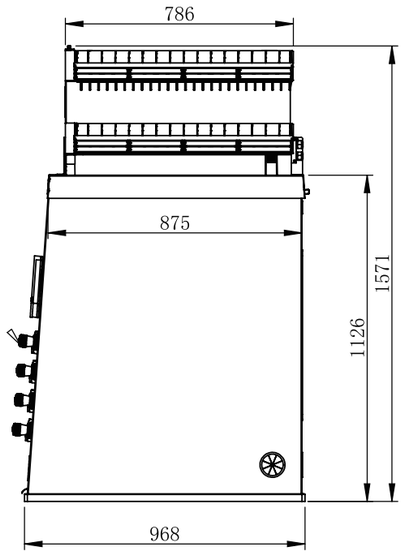
FILTRATION TECHNOLOGY erlab Above

erlab You can breathe.

Technical sheet

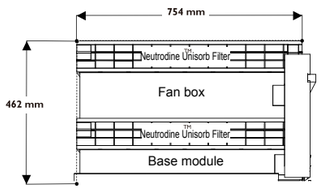
Dimension(mm)



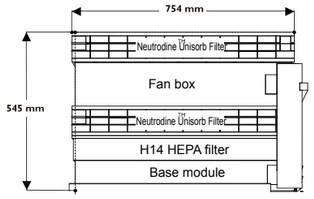


Filtration column

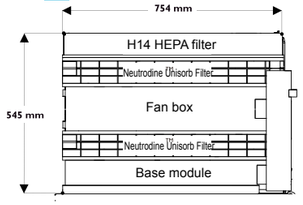
B For liquid chemicals



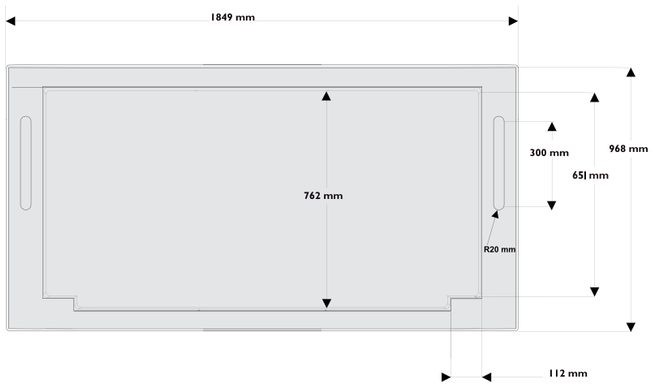
D For liquids and powders



G For clean room



Work bench



Technical sheet

Dimension(mm)	External dimension:L 2258 * D 968 * H 1588~1671mm
Air treated volume	1100m³/h
Face velocity	0.4~0.6m/s
Working sash height	0.5m/s face velocity at the sash height 34cm, maximum working height 66cm
Fan protection class	IP68
Voltage	100 - 240 v
Frequency	50 - 60 Hz
Max. Power consumption	500 W
Maximum electricity	5.0 A
Noise level	⩽ 67dbA
Particle filter	H14 high efficiency filter, filtration efficiency 99.995%(According to EN-1822-MPPS testing method)
Molecular Filter	Neutrodine-Unisorb filter, the concentration downstream the filter won't exceed 1% of the chemicals' TC-TWA(According to JG/T
Prefilter	S / A / K
Weight	240kg
Air exchanged rate	720 times / hour
Rentention capacity of the phenolic resin worktop	19 L

Structure

Metal parts	Made by galvanized steel, coated with epoxy resin which has a good resistance to acids and base
Front sash	Tempered glass
Side panel	Made by galvanized steel
command box	ABS
Worktop	Phenolic resin worktop

Standard accessories

command module	1		
Filtration column	5		
Quantity of the main filter	B-Liquid：5	G-Clean room：5	D-Powders and acids：5
Quantity of the safety filter	B-Liquid：5	G-Clean room：5	D-Powders and acids：5
Quantity of H14 HEPA filter	B-Liquid：0	G-Clean room：5	D-Powders and acids：5
Quantity of the prefilter	5-15		
Numbers of the Fan	5		
Temperature sensor	detection coverage：-15℃ ~ 120℃ / Alarm triggered coverage：60℃ ~ 80℃		
Illumination	5pcs LED Lamp，IP68-12W，⩾500lux		
Electronic hardware system	ARM 9 mother board		
Ethernet interface	WIFI / RJ45		
Molecode S detection sensor	Semiconductor sensor		
Laboratory pollution sensor	Semiconductor sensor		
Function module	Electricity inlet from the left side, Gas/Liquid from the right side		
Sockets	4pcs, total power consumption ⩽2.5KW，Voltage: 220V		

Optional accessories

eGuard	Remote monitor software
gStation	Fixed work bench
Molecode A(acids)	Electrochemical sensor
Ports for electricity equipment	Standard 40x40
Pipeline port	Straight pipe or remote valve: diameter 22 or 27mm
Racks	Stainless steel 304 which diameter is 12.5mm

Standards

China JG/T 385-2012, France AFNOR NFX 15-211:2009. USA SEFA 9
The containment comply with ANSI/ASHRAE 110-1995-EN 14175
CE certificate

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 programme

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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