



GreenFumeHood

Advanced filtration fume hood

**Comprehensive solution for
green laboratories**



The new generation of GFH

Continuous innovation and safety always on your side!

Erlab has remained the leader in the world for filtered fume hoods, ductless fume hoods, and filtered storage solutions since 1968. Erlab is an innovator committed to safety, performance, energy efficiency and sustainability.

Benefit from Erlab's +50 years of R&D, take advantage of Erlab's latest innovations (more advanced filtration technology, smarter monitoring systems) with the third generation of GreenFumeHood. The alternative to traditional ducted fume hood for new and existing R&D laboratory projects.



**Simplify
laboratory design**



**Modularity
and flexibility**



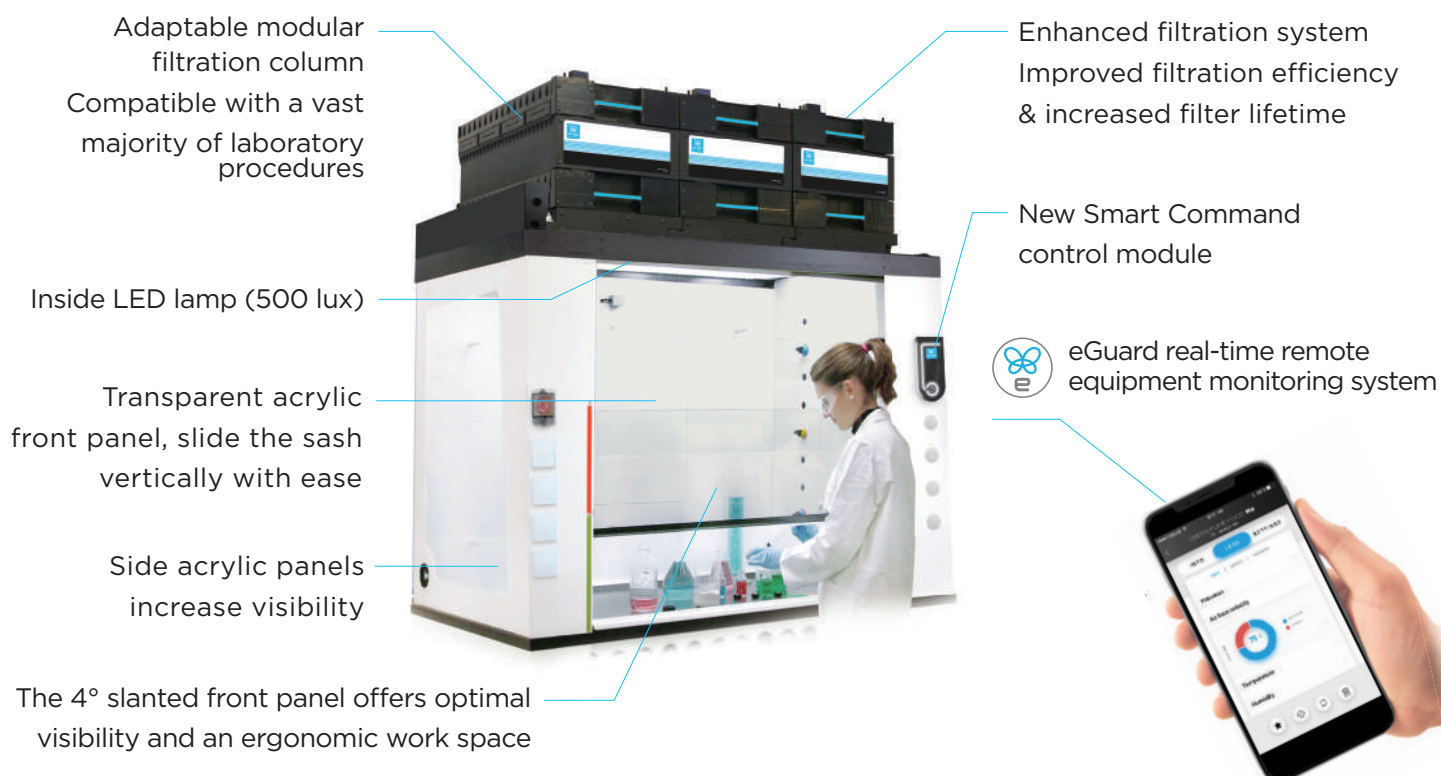
Energy savings



**Suitable for new
constructions
and laboratory
redesign projects**



**Zero-emission and
environmental
protection**



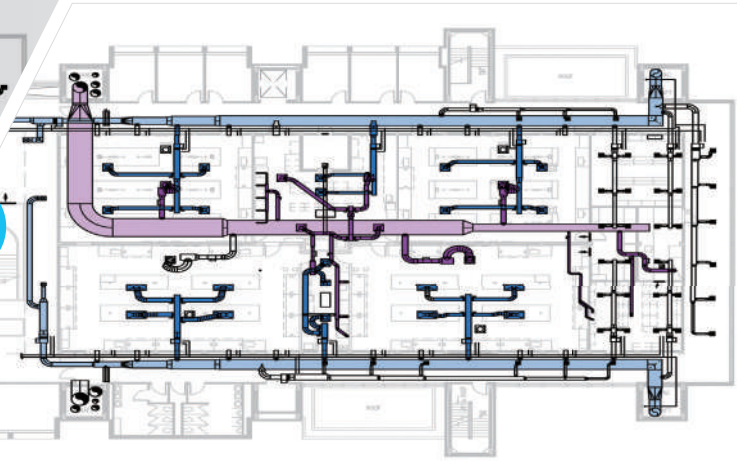
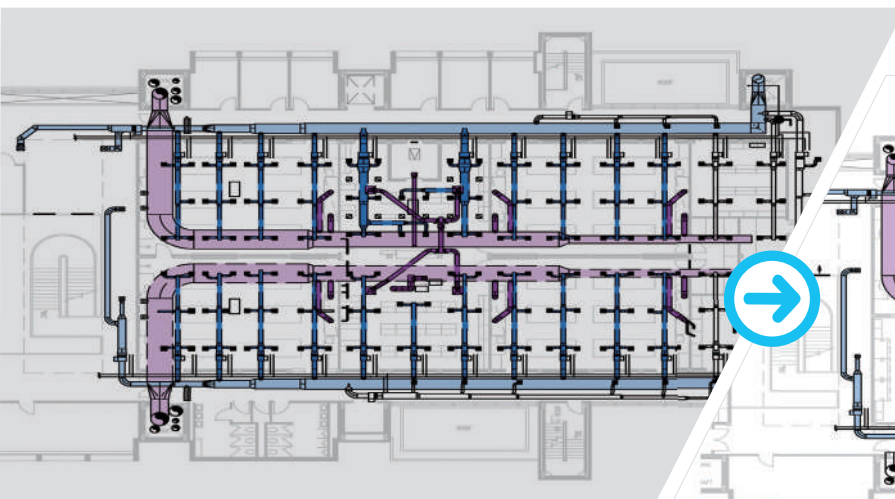
Comparison traditional ducted fume hood and GFH



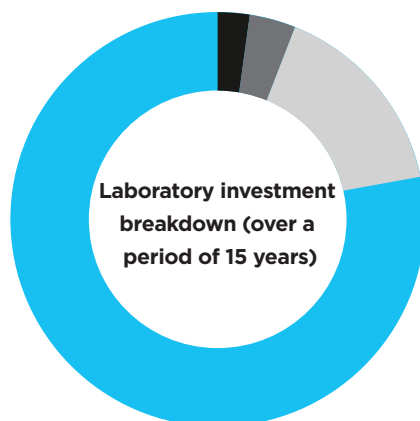
Complex infrastructure design and construction, high operating costs, troublesome maintenance



Streamlined infrastructure design, reduced construction and operating costs, simplified maintenance



*From BSA Lifestructures, Bulter University reconstruction project (Left: before Right: after)



Energy 78% Design 3%
Construction 17% Recycling 2%



Yearly energy cost saving by using a 1.5m ductless fume hood

Area	Sydney	Melbourne	Brisbane
Average cost (\$)	1,771	1,509	2,040

Calculated by Energy Plus based on Simulation Standard of ASHRAE 90.1
Laboratory For VAV Fume Hood
And the energy cost saving varies depending on the exact electricity and gas cost in different cities.

Characteristics of the new GFH



Enhanced filtration system

Improved filtration efficiency & increased filter lifetime



Adaptable modular filtration column

Compatible with a vast majority of laboratory procedures



eGuard App

Smart real-time monitoring management



Smart communication Technology

A simplified human-machine interface dedicated to safety



Compliance with- Standards

Your safety guarantee

1 Neutrodine Unisorb Filter greatly increases the retention capacity for the majority of vapors emitted from a wide variety of laboratory handlings



Cyclohexane
+50%

Acetone
+150%

Ethanol
+280%

- More than 700 chemicals filtered, including molecules known to be the most difficult to retain: polar VOCs with low molar mass and boiling points
- Single filter for simultaneous handling: solvents, acids and bases

2 Modular filtration column - Safe, economical & environment-friendly

- Plug&Play system makes the configuration of the filtration column easier and faster
- Safety filter increases safety, improves filter performance lifespan and reduces operating costs



3 eGuard APP-With eGuard for your smartphone access all your equipment safety settings wherever you are



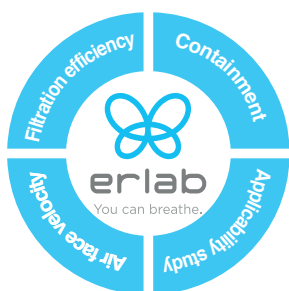
Download the eGuard APP on your smartphone to monitor in real-time all your equipment remotely

4 Smart Command control module - Safe & intuitive



- Simplified connection via NFC Simplified access to advanced functions on smartphones.
- Simplified access point (PC, tablet, etc.) Wi-Fi and Ethernet.
- Simpler safer Smart alert system Detection through light and sound/alerts pulsation.
- Simplified and intuitive commands Touch screen commands.

5 Strict compliance with domestic and international industry standards



AFNOR NF X 15 211



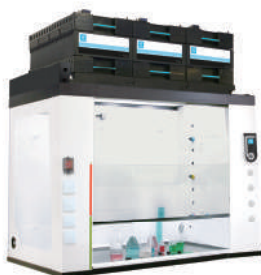
SEFA9



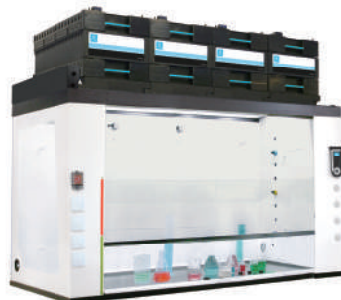
JG/T385-2012

GFH 3 models and data sheet

GFH 5300



GFH 6400



2 models available

Model	Size (mm)			Filtration columns	Volume of air treated
	L	D	H		
GFH 5300	1433	968	1571-1661	3	660 m ³ /h
GFH 6400	1849	968	1571-1661	4	880 m ³ /h





Safety solutions for a variety of applications !



GreenFumeHoods
an alternative to
ducted fume hoods



Smart Fume Hoods
for your routine
handlings



Captair Smart
Weighing Stations



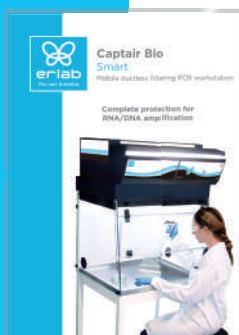
Captair Smart
Storage cabinets



Chemtrap Midcap
Filtration System



Captair Flow
Clean Air Enclosures



Captair Bio
PCR Workstations



Captair Pyramid
Portable Glovebox



Halo
Laboratory Air
Filtration system



Halo Sense
Lab Air Quality Sensor

Europe

erlab D.F.S S.A.S (France)

Parc d'Affaires des Portes
BP 403
27104 Val de Reuil Cedex - France
Tel. : +33(0)2 32 09 55 80
Fax. : +33(0)2 32 09 55 90
E-Mail : Ventes@erlab.net

North America

erlab, Inc. (USA)

388 Newburyport Turnpike
Rowley, MA 01969 - USA
Tel. : +1(978) 948-2216
Fax. : +1(978) 948-3354
E-Mail : CaptairSales@erlab.com

Asia, Middle East, Africa, South America

Kunshan erlab D.F.S Co.,Ltd

Tel. : +86 (0)512 5781 4085

Fax. : +86 (0)512 5781 4082

E-Mail : export.asia@erlab.com.cn

Your  **erlab** distributor
You can breathe.