ERLAB SOLUTIONS GUIDE

Experts in air filtration
for the protection of laboratory personnel

ISSUE #1 ENGLISH

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INTRODUCTION

How should this guide be used?

This guide is designed to help our partners quickly establish a better understanding of Erlab's solutions and how they relate to a customer's application. The guide will:

- **Present you with** the most relevant advice and solutions
- **Make you aware** of the specific features of our products, and of the advantages of molecular filtration technology
- **Improve your understanding** of challenges encountered in a laboratory
- **Help you provide solutions** for each customer's particular application

ERLAB, GLOBAL LEADER

SAFETY AND SUSTAINABILITY

Uncompromising Safety - Millions of operational hours and over 50 years with a proven safety record. Compliance with AFNOR NF X 15-211: 2009 filtration safety standards as endorsed by ANSI Z9.5-2012.
Environmental Sustainability - Dilution is not the solution. We capture and retain fume contaminants, rather than polluting the air by exhausting lab air, thus saving HVAC/energy costs, and our environment.

A GLOBAL PRESENCE

Manufacturing facilities in US, China and Europe with a network of dedicated staff worldwide. Erlab is there to support our customers wherever they may be.

EXTENSIVE RESEARCH AND DEVELOPMENT

With multiple patents to our credit, Erlab's dedicated staff of R&D scientists persistently strive to find a better solution for all labs and our environment.

QUALITY AND CONSISTENCY

Ensuring consistent product performance by leveraging state-of-the-art production automation and robotics that guarantee superior quality.

PIONEERING EXPERTISE IN THE AIR FILTRATION SAFETY INDUSTRY

A CHEMICAL LISTINGS GUIDE

Using our knowledge and experience, we are able to provide you with the retention capacities of our filters for over **700 chemicals** under **AFNOR NF X 15-211:2009 standard conditions.**

INDEPENDENT TESTS

Our filtration technology has been tested under **AFNOR NF X 15-211:2009 standard** conditions multiple times by an independent laboratory.

These test results show that our filters can guarantee a concentration of less than **1% of the TLV** for the molecules tested downstream of the filters.

ERLAB SERVICES

Our safety program confirms your protection at every stage: analyzing your application upstream allows our laboratory to recommend a suitable solution.

With **our post-installation aftercare,** you benefit from **superior protection.**

OUR ONGOING COMMITMENT TO YOUR FILTERING FUME HOOD USAGE

Our laboratory issues a usage certificate for each hood, in compliance with the **AFNOR NF X 15-211:2009 standard conditions.**

The Current North American Fume Hood Market

Today, "historic" ducted fume hood technology continues to play a significant role in collective protective equipment (CPE) in laboratories where air is exhausted multiple times an hour to the outside, to protect the lab occupants. However, **there is a better way.**

Thanks to substantial investment in R & D and continuous product improvement Erlab's advanced filtered fume hoods provide a safe and flexible alternative that saves energy and improves environmental sustainability.

Did you know?

It is estimated that there are over 20,000 ducted fume hoods sold every year in the US. **The majority of these fume hoods can be safely substituted with Erlab's advanced technology,** saving initial construction costs on ducting, reduction in HVAC equipment and long term operational costs.

Our major markets include:

- Flavor & Fragrance
- Clinical Labs
- Education
- Biotech / Pharma
- Industrial / R&D /QC
- Cannabis

Which sectors are being explored for the sale of Erlab products?

All industries:

Aviation, defence, space, agri-food, metalwork, petrochemistry, fine chemicals, pharmaceuticals, cosmetics, electronics, nuclear, environment, life sciences, water treatment, textiles, watchmaking, jewellery, luxury industries, etc.

Education:

From schools to universities, prestigious higher education establishments, vocational training centers, engineering schools, etc.

Healthcare:

All hospital laboratories, pharmacies and fertility clinics. Public research centers in all fields.

And… ALL customers who use or are planning to use conventional fume hoods!

Filtration: the preferred alternative

Backed by 50 years of experience and as a result of studying more than 5,000 client applications per year, ERLAB is now able to offer a real alternative to ducted fume hoods in nearly **70%** of client applications. The benefits of choosing filtration and the range of additional products which Erlab offers constitutes a comprehensive protection solution.

How is filtration a real alternative?

The ecosystem of Erlab products is a truly reliable and ecological alternative to ducted filtration, as evidenced by the 150,000 filtering ductless unites installed worldwide.

The advantages of filtration

- **Flexible & Mobile**
- **No HVAC connection to the outside**
- **Low energy consumption**
- **Lower infrastructure support/costs**
- **Handles chemicals and powders**
- **Environmentally friendly**

Filtration

Erlab has been offering technology to protect laboratory personnel from inhaling chemical substances for over 50 years.

Erlab's unique solutions allow the pollution to be captured at the source and to catch the contaminants in the filters before they are released into the clean air of the work environment. These filters are available in a unique range of activated carbon **dedicated to protecting personnel from inhalation risk.**

This is made possible due to the filtration technology which the Erlab Research and Development department is constantly improving.

A comprehensive product specification, devised by Erlab and based on compliance with standardized international protocols, allows us to select raw materials and develop technologies with suitable porosity which have the capacity, under normal usage conditions, to adsorb **a very broad spectrum of molecules without risk of desorption**, similar to military-style gas masks.

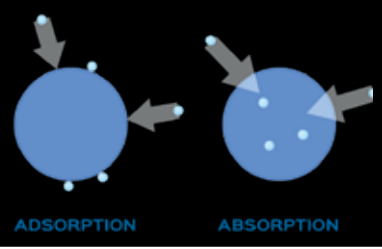
Our filters are subject to rigorous tests as specified by the **AFNOR NF X 15-211:2009 standard**, the reference standard in the field of filtering fume hoods. Their performance levels are a guarantee of safety for the users of our solutions.

What is adsorption?

Adsorption is the adhesion of atoms, ions, or molecules from a gas, liquid, or dissolved solid to a surface. This process creates a film of the adsorbate on the surface of the adsorbent

This can take place in a liquid or gaseous medium. The phenomenon of adsorption has long been of interest for the capture of gaseous pollutants, particularly in gas masks or filtration fume hoods.

Be careful, however, not to confuse adsorption with absorption.



All filters are not created equal.

Erlab's filtration technology relies on the latest generation activated carbon. This is subject to controlled activation so as to develop a homogeneous microporous structure, ideal for the **adsorption of VOCs** and eliminating the risk of desorption in the event of changes in environmental conditions (humidity, temperature).

Controlled microporosity causes an increase in adsorption between the carbon surface and the adsorbed molecules.

Today, all filtration materials used by Erlab are custom-made. Erlab is the only specialist in the world to offer proprietary, activated carbon, developed by Erlab, for Erlab and for the **safety of their customers.**

Erlab has been working for years to secure the sources of its raw materials (coconut shell) to ensure replacement filters are always available.

In order to guarantee the consistent quality of our filters, each batch of raw materials is tested from source to shipment according to internal protocols developed to ensure optimal adsorption of pollutants.

Each filter is delivered with a certificate of inspection and an individual label enabling its precise identification (carbon batch, mass, inspection of joints, date of manufacture, etc.).

All filtration products designed by Erlab are tested according to **the strictest filtration standards in the world.**

The AFNOR NF X 15-211:2009 standard

A safety standard for the protection of laboratory technicians

Mandated by **AFNOR**, the French Union of Mechanical Standardization (Union de Normalisation de la Mécanique, UNM) composed of a team of experts (INRS [French National Research and Safety Institute], state bodies, professional unions) established the **AFNOR NF X 15-211:2009 standard**. This standard applies to **filtering fume hoods** designed for all laboratories in which chemicals subject to occupational exposure limits (TLV or OEL) are handled, including the fields of research, analysis, teaching, etc.

The AFNOR NF X 15-211:2009 standard stipulates 4 performance and information criteria:

Filtration efficiency

Containment efficiency

Air face velocity

Documentation: chemical listing

Filtration test using gas chromatography

Containment test using a Fourier-transform infrared spectrometer

International standards

Erlab products comply with the following standards in order to guarantee optimum safety:

France : AFNOR NF X 15-211:2009
Germany: DIN 12927
UK. : BS 7989
USA : ANSI/AIHA Z9.5 / ASHRAE 110:1995

Our technology complies with all standards and guarantees exceptional quality and consistency.

Filtration efficiency

This is defined by the **capacity of the filter to retain harmful molecules handled in the enclosure** and determines the quality of the air recirculated downstream of the filter.

Containment efficiency of the enclosure

This is defined by the capacity of the fume hood to keep vapors or particles within the enclosure, preventing their release into the laboratory environment. To demonstrate this efficiency, a test is carried out according to the protocol outlined in the standard. SF_6 (sulphur hexafluoride) with tracer gas being released into the enclosure. A grid is placed opposite the handling ports. The concentration measurements at the sampling point of the grid must be less than 0.1 ppm SF_6 gas.

Air face velocity

This is defined as the ability of the hood to create a dynamic barrier between the operator and the handling. For filtering fume hoods with fixed front panels, the air face velocity at all openings must be between 79-118 fpm. The hoods must therefore be equipped with a device to continuously monitor ventilation.

Documentation: Chemical listing

Filtering fume hoods must be delivered with a booklet containing a comprehensive list, certified by the manufacturer, of approved chemicals that can be handled in the hood under the conditions outlined by the AFNOR NF X 15-211:2009 standard, indicating for each one:

- **The chemical name,** formula, CAS number, boiling point, molecular weight and vapor pressure
- **The suitable filter type** and its retention capacity in accordance with the NF X 15-211 standard
- **The type of air quality monitoring** recommended for controlling the efficiency of the filters
- **The name of the laboratory** performing the test

The result of 50 years of research and development into filtration technologies, the chemical listing handbook demonstrates Erlab's expertise in molecular and particulate filtration. In accordance with the AFNOR NF X 15-211:2009 standard, this document, delivered with each hood, includes an exhaustive list of chemicals, that Erlab certifies, can be handled under the most optimal safety conditions.

Fulfilling these criteria guarantees user safety

Flex technology: maximum flexibility for the filtration unit.

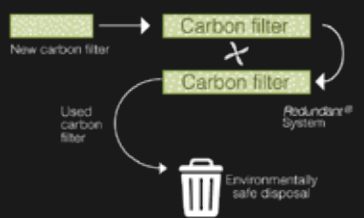
The combination of molecular and particulate filtration technologies enables one single device to be configured for the laboratory's protection needs.

This has been made possible by the design of single-dimension filter cartridges which, through vertical stacking, represent a major innovation in Flex® technology.

The modular filtration column **adapts to the protection needs** and the laboratory environment. The different models in the new range of Captair® Smart® filtering fume hoods can also be equipped with 1 to 4 filtration columns with **unrivaled** retention capacities.

This innovation from the Erlab R&D laboratory offers unprecedented **flexibility, adaptability,** and **savings.** One single device can be reconfigured over time and be easily reassigned to other applications.

The Redundant Safety Filter System's patented concept



When the main filter is saturated, the molecules are directed towards the safety filter. The safety filter replaces the main filter when the latter reaches maximum capacity. A new filter is then installed in place of the safety filter.

The advantages of the redundant safety system

- Significant optimization of the main filter's lifespan
- Substantial savings on replacement costs

FLEX TECHNOLOGY'S FILTRATION CONFIGURATIONS

LIQUIDS

For dilutions, dosages, extractions, transfers, etc.

POWDERS

For sieving, grinding, weighing, formulations, compressions, etc.

LIQUIDS & POWDERS

For solutions, filtration, extractions, etc.

IN CLEANROOMS

For cleanrooms up to ISO class 7

F Fan C Carbon H HEPA

Device in class 1 = Maximum safety guaranteed by the AFNOR NF X 15-211: 2009 standard!

The filtration column configured in class 1 (1 main filtration level + 1 safety filtration level) prevents the release of chemicals into the laboratory when the main filter reaches its saturation level.

Smart technology

Smart technology is a simple and innovative method of communication for added safety.

Without the need for a screen, this communication interface allows operators, through its **simple and intuitive** interface, to focus all their attention on what is important: **the application being performed within.**

Using light and sound signals, this technology indicates the level of protection for the user.

Different **light and sound pulses** also inform them of the device's operational status in real time.

No network connection?

These are standalone devices that can function without an internet connection.

What is Smart technology?

Smart technology communicates the device's functional status in real time:

- **Operating time**
- **Air face velocity**
- **Prolonged door opening**
- **Filter saturation**
- **Ventilation faults**
- **Ambient air quality**

THE BENEFITS OF SMART TECHNOLOGY

SIMPLICITY

One-touch activation for simple and intuitive operation.

SAFETY MONITORING

Through the different light and sound pulses, Smart technology **keeps you informed of your protection status in real time.**

DETECTION

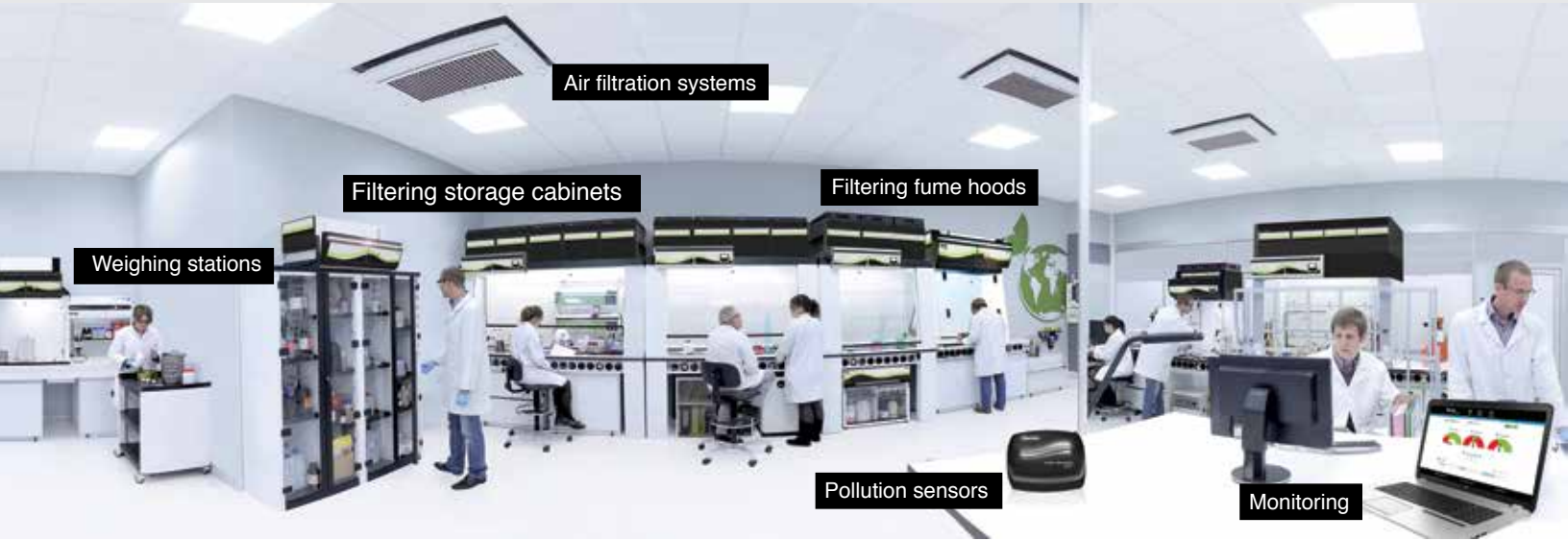
The exclusive detection system constantly monitors the **filter saturation status.**

CONNECTIVITY

By connecting your device to the network and using the **new eGuard app**, you can monitor the operating parameters of your Captair Smart equipment both in real time and remotely.

The Erlab product ecosystem

A comprehensive solution for ensuring user safety in the laboratory.



Benefit from all the advantages our filtration technology offers you

Safety

Investment and energy savings

Flexibility and ease of use

Reduced environmental impact

GreenFumeHood Filtration Technology

The Benefits of GreenFumeHood Filtration (GFH) Technology Include:

- The advantages of ductless on a traditional fume hood structure, such as those with fixtures and sliding sashes.
- Enhanced detection with multiple sensors
- Neutrodine Unisorb filters which are ideal for multidisciplinary chemical handlings

An innovative filtration technology to reduce infrastructure and energy costs while protecting the environment.

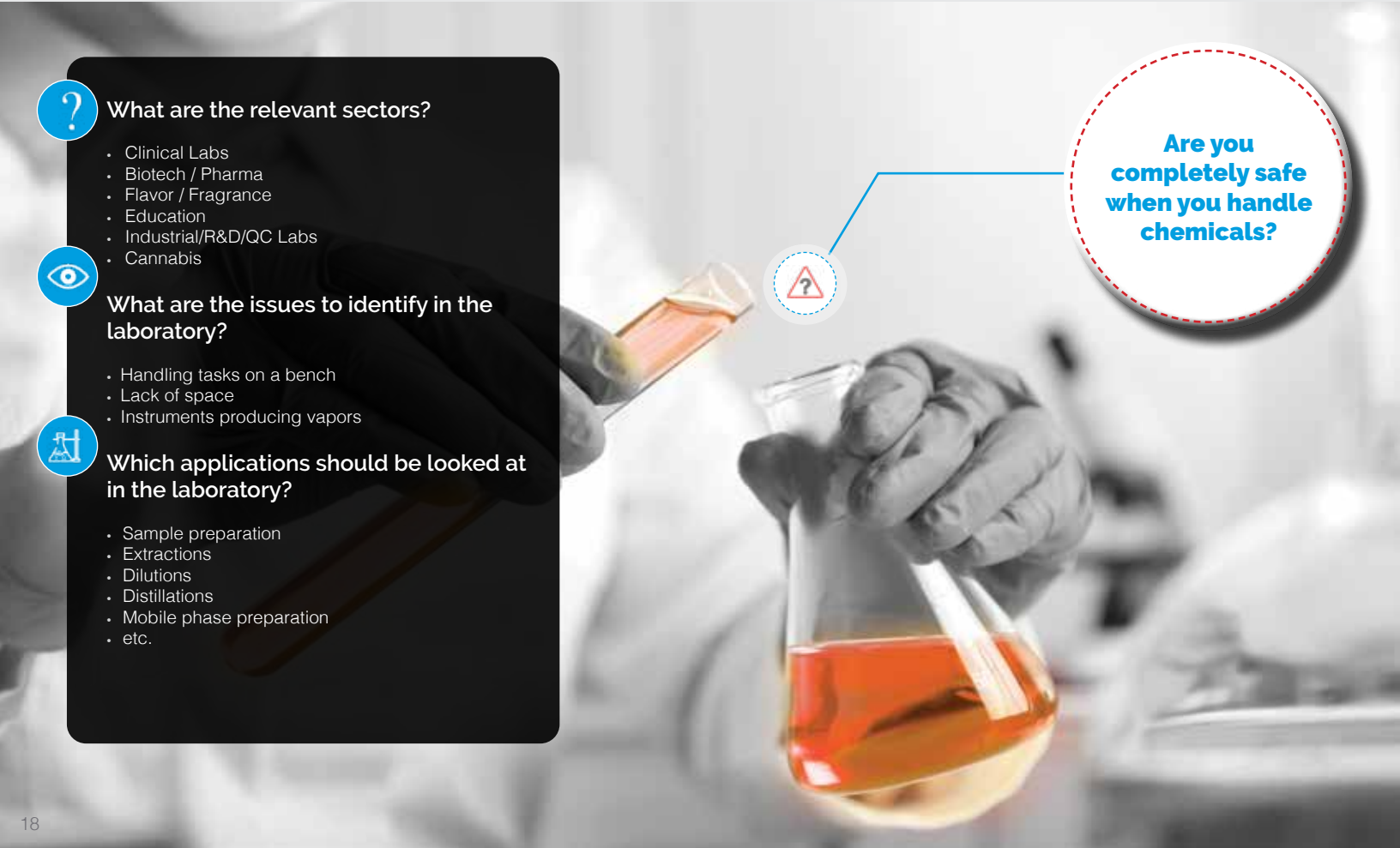
GFH incorporates Erlab's unique **Neutrodine Unisorb Filters**. Utilizing multiple layers of technology to transform molecules, while allowing the simultaneous adsorption of solvents, acids, and bases for multiple lab types including Organic, Inorganic, Analytical, Physical, and General Chemistry.

Designed with a unique filter frame that **prevents carbon shifting and channeling**, they have a high retention capacity, high safety levels, and low operating costs.

Cut your annual operating costs in half!

Hood Width	Annual energy costs*	Annualized Maintenance Costs**	Makeup Air, HVAC, Exhaust Air	Total average annual operating cost per filtered hood	Average Annual Savings compared to ducted hood
4-foot	< $20	$ 874	$0	$894	**$725**
5-foot	< $25	$1,150		$1,175	**$885**
6-foot	< $30	$1,425		$1,475	**$1,105**
8-foot	< $40	$1,700		$1,740	**$1,625**

* Based on $0.125 per kWh and 8h per day for 220 days per year operation.
**Based upon 48 month filter life.



What are the relevant sectors?

- Clinical Labs
- Biotech / Pharma
- Flavor / Fragrance
- Education
- Industrial/R&D/QC Labs
- Cannabis

What are the issues to identify in the laboratory?

- Handling tasks on a bench
- Lack of space
- Instruments producing vapors

Which applications should be looked at in the laboratory?

- Sample preparation
- Extractions
- Dilutions
- Distillations
- Mobile phase preparation
- etc.

Are you completely safe when you handle chemicals?

Captair 633 Smart on Benchcap fixed work bench

Ductless filtering fume hoods

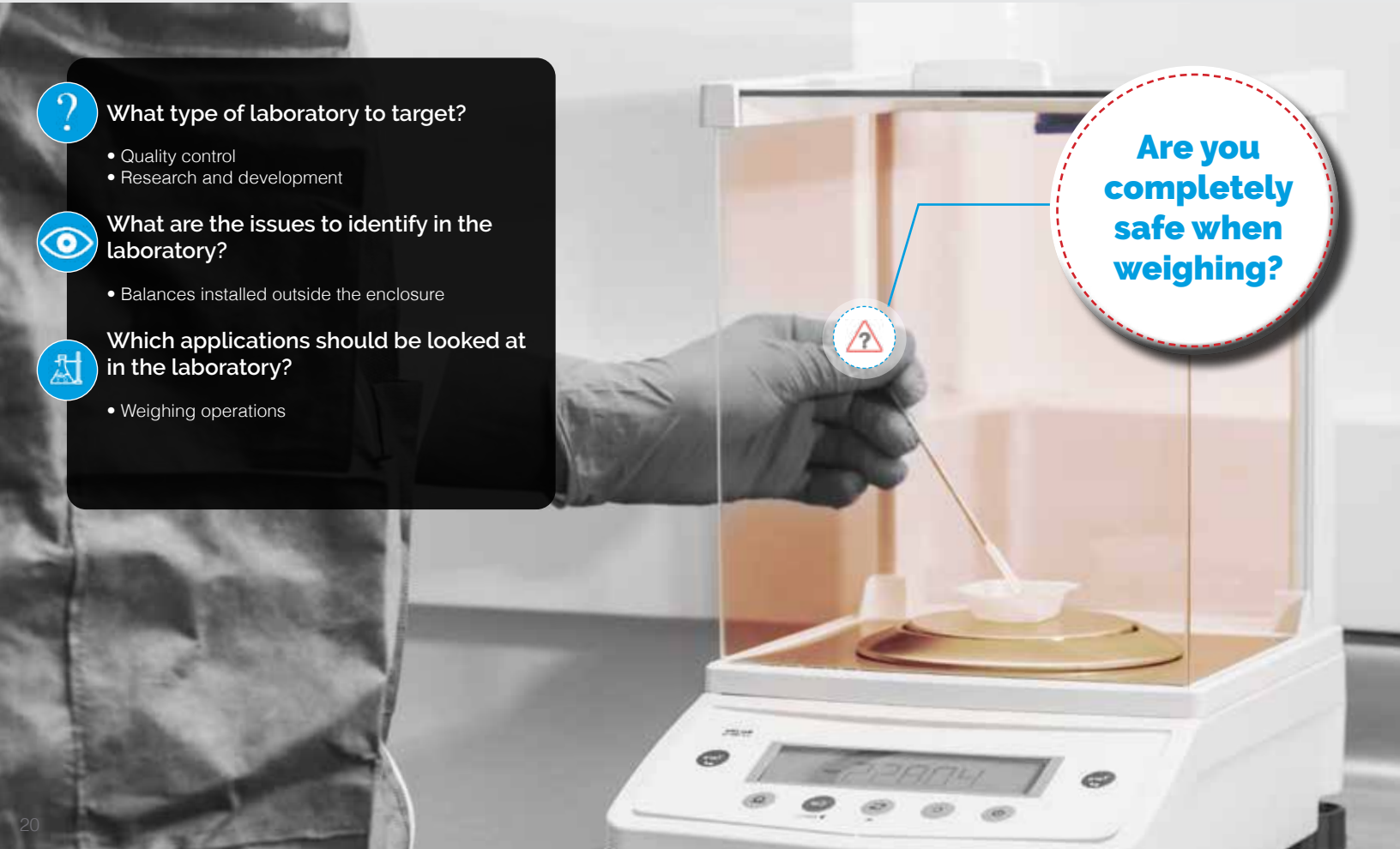
Equipped with SMART TECHNOLOGY

Captair Smart filtering fume hoods ensure end user protection from inhalation at the workstation. They contain and then filter at the source of all molecules and powders released by a large variety of applications and processes, before recirculating purified air back to the lab space.

- Modular filtration technology tailored to the handling process
- Air face velocity monitoring system
- Compatible with multiple equipment solutions in fluids, technical gases and energy
- Several work surface options (glass, Trespa, Inox)
- Automatic filter saturation detection
- Low energy LED lighting
- Ergonomic design
- Different configurations available (fixed and mobile work benches, taps, etc.) and can be placed on an existing bench
- Quick and simple installation

Completion of the eValiQuest is required for all ductless fume hoods equipped with carbon filtration.

Scan the QR code to view more information on this product range.



What type of laboratory to target?

- Quality control
- Research and development

What are the issues to identify in the laboratory?

- Balances installed outside the enclosure

Which applications should be looked at in the laboratory?

- Weighing operations

Captair 391 Smart on Benchcap fixed work

Powder weighing stations

Equipped with SMART TECHNOLOGY

Captair Smart weighing stations guarantee the operator's protection while assuring stability and a degree of weighing precision up to 6 decimals.

- Modular filtration technology tailored to the weighing of liquids and/or powders
- Guaranteed precision up to 10-6 g proven by independent tests
- Anti-vibration work surface
- Low energy LED lighting
- Automatic filter saturation detection
- Ergonomics tailored to weighing operations
- Waste port with double bag and protective enclosure (Optional)
- Quick and simple installation

Read our Powder Weighing white paper.

What are the relevant sectors?

- All laboratory types

What are the issues to identify in the laboratory?

- Odors in the laboratory
- Chemicals on the workbench
- Chemicals under hoods

Do you store your chemicals properly?

Captair 1634 Smart

Ductless filtering storage cabinets

Equipped with SMART TECHNOLOGY

Captair Smart filtering storage cabinets have numerous configurations to safeguard the storage of chemicals and eliminate the risk of pollutant concentration.

- Filtration technology tailored to the storage of powders and liquids
- No ductwork
- Double door for easy opening of the cabinet in tight spaces
- Ultra-quiet ventilation
- Elimination of harmful and odorous vapors
- Secure, lockable storage
- Storage capacity from 10L to 240L
- High corrosion resistance
- Double compartment for storing incompatible products
- Alarm in the event of prolonged door opening
- Ventilation control at door opening
- Automatic filter saturation detection
- Quick and simple installation
- Active usage bottle storage

Scan the QR code to view more information on this product range.

How do you store your chemicals?

What are the relevant sectors?

- All laboratory types

What are the issues to identify in the laboratory?

- Flammable safety cabinets
- Acid safety cabinets
- Corrosive safety cabinets

See how ChemTrap works

Ductless filtration systems for safety cabinets

Equipped with SMART TECHNOLOGY

ChemTrap filtration systems offer laboratories equipped with a flammable safety cabinet the additional benefit of protection against hazardous emission inhalation. **Compatible with numerous safety cabinets: JustRite™, Eagle™ etc.**

- Turns your safety cabinet into a standalone filtration unit
- No release of hazardous emissions when doors are opened
- Elimination of noxious vapors through filtration
- Filtration technology tailored to the storage of powders and liquids
- Automatic filter performance detection
- Requires no connection to HVAC system
- Helps to renew and purify laboratory air
- Compatible with the majority of safety cabinets
- Available for tall (H402) and underbench (V201) cabinets
- Quick and simple installation
- Easily connects to existing threaded bung

Scan the QR code to view more information for this product range.

What are the relevant sectors?

- All laboratory types

What are the issues to identify in the laboratory?

- Residual odors
- Equipment producing chemical vapors
- Inefficient air renewal system

Some examples of applications:

- HPLC / ICPMS areas
- Storage area
- Laboratory in polluted area
- Animal testing laboratory
- Flavor & Fragrance labs
- Conference rooms / Offices
- Petrochemical
- Wastewater testing labs
- Lab experiencing corrosion issues with acids
- Open bench applications
- etc

How do you maintain the air quality in your laboratory?

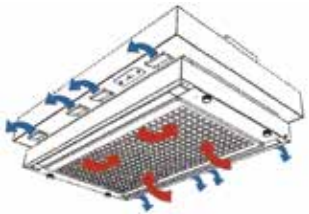

Halo Smart

Lab air purifiers

Equipped with SMART TECHNOLOGY

Air renewal is a fundamental requirement for maintaining hygiene and safety conditions in laboratories. By continuously filtering the ambient air, **Halo Smart** filtration units improve air quality while reducing the need for fresh air and the resulting enormous energy consumption.

- Covering 250-300 square feet of lab space
- Average filter lifetime - 24 months
- Continuous air quality improvement
- Detection and filtration of the main categories of pollutants (volatile organic compounds, acids or formaldehyde)
- Standalone system, totally independent of the HVAC system
- Detection mode 24/7
- Saves energy through air renewal optimization
- Connection via RJ45 and remote monitoring of the operating status
- Quick and simple installation



Scan the QR code to view more information on this product range

What are the relevant sectors?

- All laboratory types

What are the issues to identify in the laboratory?

- Residual odors
- Equipment producing chemical vapors
- Inefficient air renewal system

How do you monitor the air quality in your laboratory?

Halo Sense Smart

Air quality monitors

Equipped with SMART TECHNOLOGY

Halo Sense Smart air quality monitors the air quality in your laboratory in real time. Available in 3 different versions, they are able to detect a wide spectrum of chemical pollutants. If the pollution threshold is exceeded, the user can be warned through light and sound pulsations.

- Continuous air quality monitoring
- Targeted detection of the main categories of pollutants (volatile organic compounds, acids or formaldehyde)
- Connection with the HVAC system is possible
- Quick and simple installation

Settings recommended by Erlab will detect at below indicated PPM values.

Halo Sense Smart - VOC Model

Chemical	PEL/TWA 8H (ppm)	PEL/STEL (ppm)	High sensitivity (ppm)	Medium-High sensitivy (ppm)	Medium sensivity (ppm)	Medium-Low sensitivity (ppm)	Low sensitivity (ppm)
Ammonia	10	20	10	15	25		
Hexane	20		1	2	5	15	20
Xylene	50	100	0	0.3	0.5	1.5	2
Acetonitrile	40		30	40			
Toluene	20	100	0	0.5	0.7	2	3
Isoproponal		400	1	1.5	2	3	5
Acetone	500	1000	1	3	5	6.5	8
Methanol	200	1000	1	2	5	10	15
Ethanol	1000	5000	1	2	5	10	15
Diethyl ether	100	200	1	2	5	8	10

Scan the QR code to view more information for this product range.

What is PCR?

PCR (Polymerase Chain Reaction) enables DNA samples to be amplified to quantities which can be used for research, diagnosis or police investigations.

Handling is very sensitive to cross-contamination and environmental contamination.

What are the issues to identify in the laboratory?

- Microbiology, biology, botany
- Legal medicine
- Gene amplification
- Presence of PCR thermal cycler

Which applications should be looked at in the laboratory?

- Non-pathogenic cell cultures
- In vitro cultures
- Microbiology (non-pathogenic)

How do you protect your handling operations?

Captair Bio 321 Smart on Mobicap rolling cart

PCR enclosures

Equipped with SMART TECHNOLOGY

The Captair Bio Smart PCR enclosures are designed to protect sensitive biological applications from environmental pollution and cross-contamination. They are equipped with a highly-efficient HEPA filtration system which provides a particle-free workstation during the handling process. The UV lamp is used to decontaminate the work surface and thus avoid biological cross-contamination between two operations.

- Particle-free workstation
- Optional molecular filtration available
- Powerful (254 nm) UV decontamination
- Protects samples from cross-contamination
- 10 mm acrylic to protect the user from harmful UV and beta rays
- Ergonomic design
- Very low energy consumption
- Easy to clean
- Quick and simple installation
- 30 minute UV timer

Typical Applications:

- Sample preparations before thermal cycling
- Post PCR DNA sequencing revelation / separation
- Invitro fertilization
- Cellular cultures
- Vegetal biology preparation of sterile solutions

Scan the QR code to view more information for this product range.

What are the applications to identify in the laboratory?

- Biology, botany
- Aviation, electronics
- Pharmaceuticals, cosmetics
- In vitro fertilization

What are the typical applications to look for when I visit the laboratory?

- Non-pathogenic cell cultures
- In vitro cultures
- Microbiology (non-pathogenic)
- Pharmacy homeopathic preparations
- Electronic
- Optical, etc.

How do you protect your handling operations?

Captair Flow 321 Smart on Mobicap rolling cart

HEPA filtered enclosures

Equipped with SMART TECHNOLOGY

Captair Flow Smart filtering clean air enclosures are equipped with HEPA H14 (or ULPA U16) filters which provide optimum protection against external contamination. They are designed to provide an ISO class 5 working environment according to the EN ISO 14644-1: 2015 standard.*

**If the room's level of filtration is at least ISO9 standard*

- Particle-free workstation
- Optional molecular filtration available
- Protects samples from cross-contamination
- Ergonomic design
- Very low energy consumption
- Easy to clean
- Quick and simple installation
- UV light with timer

Scan the QR code to view more information for this product range.

ERLAB SERVICES

eValiquest

Automatic online analysis of chemical risks

The selection of protective equipment depends on the risk to which the operator is exposed. This selection cannot be made without an in-depth risk assessment. The eValiQuest service aims to support you throughout this process.

Learn more about the app

eGuard

Allows remote monitoring of the device

The eGuard app safeguards the device's use and maintains the solution through real-time monitoring of its operating parameters.

Download the eGuard app

Available for smartphone and PC

Available on the App Store | Google play | Download for Windows

Maintenance

Protect your investment and let the experts maintain your filtration devices.

Offering installation, set-up and maintenance of Erlab devices through our network of trained technicians. All of the devices' technical functions are checked and validated by specialists.

Erlab is involved in every aspect of your devices' follow-up (preventative and curative maintenance). Our network of technicians has all the necessary means to **ensure that your equipment is monitored and is compliant** (air speed, containment, filter saturation, etc.) with **exclusive testing procedures and protocols** which meet the requirements of the current safety standards.

The Erlab guarantee - connected products for superior protection

To take advantage of the guarantees offered by Erlab, the product must be registered on our website, www.erlab.com.

Registering the product will automatically trigger an additional year of guarantee (in addition to the one-year guarantee mentioned in the General Conditions of Sale).

Connection to the internet and setting configuration to exchange usage data allows you to benefit from a guarantee of up to 10 years.

The guarantee will be renewed each time the filter is changed and for the period defined in eValiQuest and/or if necessary at the end of the filters' lifespan.

To receive a lifetime warranty, use only genuine Erlab replacement filters and change them at the recommended frequency. See Erlab.com for more details.

Find the right solution

Which products are associated with which Erlab technologies?

				
	Liquid chemicals	Titrators, Karl Fischer and other equipment	Balances	Powder chemicals
Captair Smart - Ductless filtered fume hoods	✓	✓		✓
Captair Smart - Safe weighing stations	✓		✓	✓
Captair Smart - Filtered and vented storage cabinets	✓			✓
Captair ChemTrap Smart - Filtration modules	✓			✓
Captair Bio Smart - PCR cabinets				
Captair Flow Smart - HEPA filtered enclosures				
Custom-made special enclosures*	✓	✓	✓	✓
GreenFumeHood filtration technology*	✓	✓	✓	✓

**Contact your usual representative for more information*

				
	Grinders, mixers, and other equipment	Flammable safety cabinets	Petri dishes and pipettes	Electronic components
Captair Smart - Ductless filtered fume hoods	✓			
Captair Smart - Safe weighing stations				
Captair Smart - Filtered and vented storage cabinets				
Captair ChemTrap Smart - Filtration modules		✓		
Captair Bio Smart - PCR cabinets			✓	✓
Captair Flow Smart - HEPA filtered enclosures			✓	✓
Custom-made special enclosures*	✓			
GreenFumeHood filtration technology*	✓			

**Contact your usual representative for more information*

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