



# Erlab's Chemical Filtration Ecosystem

Protection from the moment a chemical enters the lab to evaporation



Handling



Storage



Air purifier



Monitoring

Erlab's Chemical Filtration Ecosystem keeps you protected from the moment a chemical enters the lab to whenever or wherever it evaporates. Our filtering products work together to provide cleaner air in your laboratory.

### Weighing stations

Captair Smart weighing stations guarantee operator's safety while maintaining stability and precision of the weighings up to 6 decimals.

### Filtering fume hoods

Stay safe while handling hazardous chemicals. Erlab provides the most advanced molecular filtration technology available. Multiple chemical types can be adsorbed at the same time, so you are no longer limited to application-specific filters or the inability to adapt to new lab processes.

### Air purifier

Even small amounts of chemical vapors present in the lab pose a potential health hazard. The Halo air filtration system continuously evaluates the air in your lab for increased concentration of chemical vapors. Once detected, Halo captures these hazardous vapors and returns clean air back into the lab.

### Standalone filtration unit

Combine fire safety and protection from inhalation of noxious chemicals

### Customized Instrument Enclosures

Filtered enclosures fully adapted to the size of your instruments, offering total protection to the user.

### Monitoring

Remote control to monitor the various Erlab products, change the settings, and deliver safety alerts immediately.

### Filtering storage cabinets

Storing and accessing your chemicals has never been safer. In addition to filtering the hazardous vapors from the cabinet, the laboratory air is continuously cleaned.

### Air quality monitor

You now have a sensor that keeps you informed about the quality of the air in your lab - it senses the fugitive emissions before you do. When the sensor detects these molecules, Halo Sense will let you know so that you can take the necessary actions to keep your lab safe.



**Safety**



**Infrastructure and energy savings**



**Flexible and simple to operate**



**Environmentally friendly**



Erlab's state of the art Research & Development Laboratory relies exclusively on filtration

## About Erlab

### We provide safety, we protect your health

Erlab pioneered the technology of ductless filtered fume hood in 1968. With a unique expertise of over 50 years in the field of chemical filtration and protection of laboratory personnel, we know the formula for safety. With Erlab, you will never have to wonder or worry if our products are safe. We build each one of the following 7 ingredients into our products, which are all necessary to guarantee your health and safety.

#### 1 Erlab R&D Laboratory

The engineers and chemists in our state-of-the-art R&D laboratory understand molecular filtration. Since 1968 we are committed to designing products that are safe and of the highest quality, strive to improve our products, and continuously develop new products that provide greater protection in the laboratory.

#### 2 Strict Safety Standards

We hold ourselves to the highest standard and adhere to the strict AFNOR NF X 15-211: 2009 safety standard for ductless filtered fume hoods as endorsed by ANSI Z9.5-2012 in USA and the JGT 385-20... in China.

#### 3 A Published Chemical Listing

It is the most important request of the NFX 15-211. It requires the manufacturer to publish the retention capacity of the filters for the largest possible number of chemicals. The Erlab Chemical Listing contains more than 700 chemicals being tested in our R&D laboratory.

#### 4 Independent Testing

Erlab filters have been independently tested multiple times at various concentrations guaranteeing that our safety solutions all adhere to the strict performance criteria of the AFNOR NF X 15-211:2009 standard assuring that the emission concentration at the filter exhaust will always be lower than 1% of the PEL (Permissible Exposure Limit) published by the local health and safety authorities.

#### 5 Application Questionnaire (Valiquest)

Our laboratory specialists will recommend the appropriate filtration fume hood, type of filter, and personalized advice.

#### 6 Certificate of Validation for the chemicals used in the hood

A certified PhD chemist issues a Certificate of Validation with a list of the chemicals approved for use in the hood.

#### 7 Our Safety Program

We back up our products 100%. This program includes your specialized chemical evaluation, validation of your hood upon installation, and a filtration safety specialist at your service to ensure that your hood is operating to its full potential of safety.