



**Erlab commits to guaranteeing your safety**

Our safety program integrates and validates all steps to guarantee your safety



**Examines your application**  
(ValiQuest Questionnaire) to recommend a suitable filtration solution, together with a filter life span forecast.



**Certifies the use** (ValiPass Certificate) of each of our devices showing the approved handlings with the relative list of chemicals.



**Post-installation follow-up service** checks by phone calls, at regular intervals, if the customer uses the same chemicals as per approved handling, to make sure that the safe conditions are maintained.



**+ eGuard APP:** Enhance your safety with our remote mobile solutions

The optional eGuard monitoring system helps you to control remotely the safety of the Captair Smart enclosures wherever they are located:

- through a computer: The eGuard PC Installation Guide will give you the instructions to install eGuard software on your computer and how to register the Captair Smart enclosures with their IP addresses.
- through a mobile phone: The eGuard mobile APP can be downloaded from Apple Store or Google Webstore and will give you the instructions how to register the Captair Smart enclosures with their IP addresses.



**Demand the best filtration quality for your laboratory**

With more than 48 years of experience in the field of molecular filtration and protection of laboratory personnel

## What we can provide you:



### **Safety at any workstation**

Captair Smart can be installed in any position of the laboratory and then offer security protection to the chemist. Since no laboratory air is exhausted outside by Captair Smart, there is no limit on the unit number that can be placed in the lab.



### **Easy installation, zero infrastructure cost**

The installation is quick and easy. A single electrical outlet is all that is needed to make it work, its setting up can be realized at any time, without any complex forward planning.



### **Achieve significant energy savings and energy efficiency**

Do not generate any energy costs associated with the use of expensive extraction systems or conditioned air supplies. Our fume hood are energy efficient, since a filtering fume hood power consumption is on average 17 times less than a classical ducted fume hood.



### **Protect the environment: 0% discharge into the atmosphere**

Since no ductwork is required, a Captair Smart filtered enclosure totally eliminates the direct discharge of pollutants into the atmosphere and therefore contributes to the protection of the environment.



### **Compliance with standards attests to the performance of our products**

Our ductless fume hoods comply with the main international standards in this field:

- AFNOR NFX 15-211: France
- SEFA 9: USA
- JG/T 385-2012: China
- BS 7989: England

- DIN 12 927: Germany
- AS- NZS 2243.9.2009: Australia & New Zealand

Most of these standards deal with the following aspects of a ductless fume hood:

- **Face velocity**, air barrier separating the user from the toxic chemicals inside the enclosure. It has to remain in a range of 0.4 to 0.6 m/s to ensure user safety.
- **Containment**, tested with tracer gas: the detected particles escaped from the fume hood can reach a maximum of 0,05 ppm.
- **Filtration efficiency** the quantity of chemical released in the room after the filtration process has to be less than 1% of PEL/TWA (Permissible Exposure Limit).
- **Filtration capacity**: for each chemical that can be used in the fume hood, the manufacturer provides the quantities that can be filtered, respecting the 1% of PEL/TWA at the exhaust (chemical listing)