



Recognizing the difference and superiority of Erlab's filtration technology.



It is critical to understand that a ductless fume hood is a safety device and the only thing between you and harmful chemicals, is the filter.

To ensure safety, compliance with AFNOR NFX 15-211 : 2009 is imperative. It is the industry's most stringent safety standard for ductless fume hoods.

To truly comply with AFNOR NFX 15-211 all of the criteria on the accompanying chart must be met by the manufacturer.

Before you make your decision on purchasing ductless filtration fume hoods, **ask for proof of compliance**, from the vendor, with all criteria on this safety standard list.

This makes our filtration superior	Ask for Proof - this is important
State-of-the-art R & D Laboratory	<p>For over 50 years our expertise in the field of molecular filtration has kept thousands of users safe, world-wide. Our continued investment in technology, highly qualified staff, and state-of-the art analytical equipment ensures that we provide the best protection to the lab users.</p> <p>Our expertise – Keeps you safe</p>
A Published Chemical List	<p>We publish the efficiency of our filters for over 700 chemicals, tested under six different concentrations, twice! Compliance with the AFNOR NFX 15-211 is not just producing results from a set of specific chemicals, but rather a complete comprehensive list of the chemicals that are approved to be used with our filters. The chemical listing consists of not only the chemicals which can be retained, but also the overall molecular weight in grams. The total retention capacity for each chemical is at which point we have detected release at the filters exhaust no greater than 1% of the chemicals PEL/TLV. These results are the limits we set to ensure complete safety during three phases of performance:</p> <ul style="list-style-type: none"> • Normal phase - guarantee that throughout the filters life there will never be release exceeding 1% of the TLV/PEL past the filters exhaust • Detection Phase - At which point a spike in concentration has occurred, release at the filters exhaust still will not exceed 1% of the TLV/PEL. • Safety Phase - alerts from SMART technology have been ignored and a spill has occurred, we still provide a guarantee that exposure past the filters exhaust will not exceed 50% of the TLV/PEL for 1/12 of the filters lifetime. <p>We measure the safety of our filters</p>
Independent Testing	<p>Proof of our claims. Independent testing is performed to validate the results of the chemical listing, efficiency of our carbon and HEPA/ULPA filters and containment of our enclosures.</p> <ul style="list-style-type: none"> • Carbon filters – AFNOR NFX 15-211 & ANSI z9.5 2012 • HEPA/ULPA filters – EN 1822 • Enclosures – ASHRAE 110 <p>You will never be exposed to harmful chemicals or powders</p>
Chemical Assessment for your Chemical Handlings	<p>A feasibility study of our customers handling is performed for every hood sold which considers the factors of the filters retention capacity for each chemical, vapor pressure, and potential by-products of every hood sold. This validation is possible due to our knowledge of the actual filters performance for each chemical as tested by our team of PhD chemists. The assessment provides a validation of the filter's life cycle, guaranteeing that during the life cycle and through each of the three phases exposure limits will never exceed the thresholds set as part of the AFNOR NFX 15-211 safety standard.</p> <p>We are liable for your safety.</p>
Certificate of Validation	<p>A certificate of validation is provided with every hood enclosure, listing the filters efficiency (filter life cycle), list of chemicals the hood was approved for, filter configuration and means of chemical detection (both manual and automatic). This is provided electronically and can be printed and posted on the front of each enclosure. As part of the Erlab Safety Program (ESP), a safety specialist will regularly follow up with you to be sure the hood is in proper working order, check if any chemicals used in the hood have changed, and inform you when your filters need replacement.</p> <p>We put it in writing, guaranteeing your safety for life</p>



About Eralab

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

Experts in the field of safety for laboratory personnel since its inception in 1968, Eralab continues as the world innovator in the development of advanced technology for [air filtration products](#).

The combination of reliable materials, smart engineering, and performance driven technology guarantees the highest level of safety and exceptional working conditions. Welcome to a high-tech company at the forefront of products backed by extensive research in the fields of safety, economic performance, energy savings, and sustainable development.

VISION

The harmful effects of air pollution on health are dangerously underestimated in all industrialized countries. The millions of tons of chemical agents produced by scientific, medical, and industrial research can have carcinogenic, mutagenic, and reprotoxic effects. As they are invisible, preventing their release into both working environments and the atmosphere as well as improving their detection have become public health issues.

REACH

The filtration of toxic gases and pathogenic agents is a global issue. Since its creation in 1968, Eralab has enjoyed rapid development and international support across Europe, America, Asia.

Eralab is established in every market with high growth potential or strategic importance. The ambitious spirit at Eralab ensures it has a daily presence in all corners of the world. Eralab teams innovate every day at all of their sites: in Val de Reuil, a few miles north of Boston, and an hour's drive from Shanghai.

MISSION

The highest level of safety for all.

This document is not contractual. Eralab reserves the right to modify the present document without prior notice. What Makes Our Filters Superior_2021_08_EN_GB

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