



Captair Smart

Powder Weighing Enclosure

Protection from inhalation risk with precision for weighing



- Designed specifically for powder containment applications
- Designed with even air flow distribution to eliminate turbulence within the enclosure
- Maintains stability to 6 decimal places without compromising containment
- Simple communication through SMART light communication and integrated eGuard web-based platform
- Easy to install, energy efficient and economical with NO HVAC required

For user protection during
precision weighing tasks

Captair Smart

Powder Weighing Enclosure
Erlab's innovative technology keeps you safe

Designed for the safe weighing of hazardous chemicals, powders, and liquids.

Erlab's unique Flex Filtration technology allows you to filter liquid and solid chemicals in molecular and HEPA filters.

SMART Light provides easy visibility of the hoods performance criteria, such as; face velocity, static pressure drop, or detection of molecular concentration past the primary stage of carbon filtration.

Sensor to detect any increase in concentration at the primary carbon filter exhaust.

LED internal lighting 600 lux.

Double bag waste port with protective housing. (Optional)

Slanted Sash for ergonomic working position.

Stable, solid phenolic resin worktop. (Optional)

eGuard remote access monitors the safety parameters of your Captair SMART weighing enclosure.

Flexible filtration column(s) for a variety of weighing applications

Captair Smart weighing enclosure can be equipped with HEPA H14 or ULPA17 filters for the weighing of powders, or with high efficiency Carbon Filters for the weighing of liquid chemicals, or with both HEPA / ULPA and carbon filters.



Type 1P: filtration column with HEPA filter for the weighing of powders.






Type 1C: filtration column with carbon filter for the weighing of liquids.






Type 1P1C: filtration column with HEPA and carbon filter for the weighing of powders and liquids.

Specifications*






Length : 32 " or 800 mm		Dimensions (mm)	
L		D	H
(at worktop level)			
Model	Applications	EXT	EXT
321 W	  	30 1/2"	24 1/4" 43 3/4" - 50 5/8"
Technical specifications			
Class (according to NFX15-211:2009)	class 2 (1 molecular filter and/or 1 H 14 filter per column)		
Volume of air treated	129 CFM	Number of column(s)	1
Average air face velocity	79-118 FPM	Total power consumption	65 W
Voltage	External connection: 100 - 240 V Inside circuit : 24 V-DC	Max. amperage absorbed	0.65 A
		Noise level	52 dbA
Frequency	50 - 60 Hz	Door openings	Total






Length : 39 " or 1005 mm		Dimensions (mm)	
L		D	H
(at worktop level)			
Model	Applications	EXT	EXT
391 W	  	39 5/8"	24 1/4" 43 3/4" - 50 5/8"
Technical specifications			
Class (according to NFX15-211:2009)	class 2 (1 molecular filter and/or 1 H 14 filter per column)		
Volume of air treated	129 CFM	Number of column(s)	1
Average air face velocity	79-118 FPM	Total power consumption	65 W
Voltage	External connection: 100 - 240 V Inside circuit : 24 V-DC	Max. amperage absorbed	0.65 A
		Noise level	52 dbA
Frequency	50 - 60 Hz	Door openings	Total



Length : 39 " or 1005 mm		Dimensions (mm)	
L		D	H
(at worktop level)			
Model	Applications	EXT	EXT
392 W	  	39 5/8"	29 1/2" 52 3/4" - 59 5/8"
Technical specifications			
Class (according to NFX15-211:2009)	class 2 (1 molecular filter and/or 1 H 14 filter per column)		
Volume of air treated	259 CFM	Number of column(s)	2
Average air face velocity	79-118 FPM	Total power consumption	105 W
Voltage	External connection: 100 - 240 V Inside circuit : 24 V- DC	Max. amperage absorbed	1.05 A
		Noise level	55 dbA
Frequency	50 - 60 Hz	Door openings	Total



Length : 48 " or 1298 mm		Dimensions (mm)		
L		D	H	
(at worktop level)				
Model	Applications	EXT	EXT	
483 W	  	50 3/8"	29 1/2" 52 3/4" - 59 5/8"	
Technical specifications				
Class (according to NFX15-211:2009)	class 2 (1 molecular filter and/or 1 H 14 filter per column)		Number of fan(s)	3
Volume of air treated	388 CFM	Number of column(s)	3	
Average air face velocity	79-118 FPM	Total power consumption	160 W	
Voltage	External connection: 100 - 240 V Inside circuit : 24 V-DC	Max. amperage absorbed	1.6 A	
		Noise level	58 dbA	
Frequency	50 - 60 Hz	Door openings	Total	

* Waste box and phenolic resin work surface are optional

Drawings, photos, and technical data in this brochure are not contractual and may be changed without notice.



Our ecosystem of products contributes to your safety through air filtration and smart technology.

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Erlab's State Of The Art Research & Development Laboratory

About Erlab

We provide safety, we protect your health

Inventor of the ductless fume hood, Erlab is an expert in air filtration for the protection of laboratory personnel since 1968. With over 50 years of experience and 150,000 units installed in 40 countries, Erlab offers advanced technologies that protect lives, saves money, and enhances environmental sustainability. All our products are certified by experts for individual applications, ensuring that our products fully meet customer expectations.

With manufacturing facilities in the US, China, and Europe, employing highly trained engineers and scientists worldwide, we deliver solutions globally.

1 Erlab R&D Laboratory

The engineers and chemists in our state-of-the-art R&D laboratory understand molecular filtration. We are committed to designing products that are safe and of the highest quality as we 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 filtration safety standard as recognized by ANSI Z9.5-2012.

3 A Published Chemical Listing

It all begins here. Our chemical listing directory insures we are compliant with AFNOR NFX 15-211. Our in-house laboratory tests and independent testing verifies the retention capacity of over 700 chemicals for our filters.

4 Independent Testing

Erlab filters have been independently tested multiple times at various concentrations guaranteeing that our safety solutions adhere to the strict performance criteria of the AFNOR NF X 15-211:2009 standard ensuring that the emissions concentration at the filter exhaust will always be lower than 1% of the TLV.

5 Application Questionnaire

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 support our products 100%. This program includes your specialized chemical evaluation, validation of your hood upon installation, and your filtration safety specialist that ensures your hood is operating to its full potential.

Erlab above

