captair® flex®

Ductless mobile fume hoods with modular filtration column

Designed to protect users during applications emitting vapors and/or chemical particles, the Captair® Flex® line offers a level of performance that ensures your safety while offering an environmentally-friendly alternative to traditional ducted systems.

Based on the Flex® technology -a flexible, adaptable modular filtration column- this line of chemical protection enclosures offers a wide range of possibilities and allows you to carry out a variety of applications in your laboratory.
The high containment and filtration performance of this technology offer users a high degree of protection, in accordance with the AFNOR NF X 15-211: 2009 standard, class 1 and class 2.

This technology is suited for many different industries, such as: **chemistry, pharmaceuticals, cosmetics, biochemistry, academics, petrochemistry, forensics, manufacturing, agro-food, hospitals, etc.**

Distributed and Supported in the Uk by:

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captair® flex®

Modular filtration technology customized for your applications

Air face velocity monitoring system

Electrical and fluid lines can be run into the enclosure

Vibration-absorbent work surface, high chemical and mechanical resistance

In compliance with standard NF X 15-211, 2009, class 1 & 2

More info p.32

Automatic filter saturation detection

Bright, energy-efficient lighting

Ergonomically designed slanted front shield

Ergonomic openings

Very low energy consumption

from 70 to 261 W

Flex® Technology

Commissioning, training, and maintenance offered by our Asura department and its network of licensed technicians.

More info p.34

M 321

In compliance with standard NF X 15-211, 2009, class 1 & 2 More info p.32

Tested according to the ASHRAE 110: 1995 standard & compliant with the BS7989 standard
Tests and markings CE

Dimensions (mm)

	M 321 & Midcap		
	L	D	H mini/max
Interior	764	543	866
Exterior	800	630	1160/1345

Technical specifications

	M 321
Number of filtration columns	1
Number of fans (IP44)	1
Processed air flow	230 m^3/h
Air velocity at openings (in on-position)	0,4 to 0,6 m/s
Voltage/frequency	90 - 264 V / 50-60 Hz

	M 321
Including power used for lighting	70 W
Type of opening	Oblong
Structure	*Anti-corrosion steel coated with 100% polyester*
Panels	*8 mm synthetic glass*
Filtration module	*Polypropylene*

M 391

M 481

Flex® Technology

In compliance with standard NF X 15-211 2009, class 1 & 2 More info p.32

+ Tested according to the ASHRAE 110: 1995 standard & compliant with the BS7989 standard
Tests and markings CE

Dimensions (mm)

	M 391			M 481		
	L	D	H min x max	L	D	H mini/max
Interior	965	522	860	1240	522	860
Exterior	1000	630	1160/1345	1275	630	1160/1345

Technical specifications

	M 391	M 481
Number of filtration columns	1	
Number of fans (IP44)	1	
Processed air flow	230 m^3/h	
Air velocity at openings (in on-position)	0,4 to 0,6 m/s	
Voltage/frequency	90 - 264 V / 50-60 Hz	

	M 391	M 481
Including power used for lighting (max)	70 W	
Type of opening	Oblong	
Structure	*Anti-corrosion steel coated with 100% polyester*	
Panels	*6 mm synthetic glass*	
Filtration module	*Polypropylene*	

Flex® Technology

XLS 392

XLS 483

In compliance with standard NF X 15-211, 2009, class 1 & 2 More info p.32

Tested according to the ASHRAE 110: 1995 standard & compliant with the BS7989 standard
Tests and markings CE

Dimensions (mm)

	XLS 392			XLS 483		
	L	D	H mini/max	L	D	H mini/max
Interior	965	695	1040	1173	695	1040
Exterior	1000	800	1315/1495	1275	800	1315/1495

Technical specifications

	XLS 392	XLS 483
Number of filtration columns	2	3
Number of fans (IP44)	2	3
Processed air flow	460 m^3/h	690 m^3/h
Air velocity at openings (in on-position)	0,4 to 0,6 m/s	
Voltage/frequency	90 - 264 V / 50-60 Hz	

	XLS 392	XLS 483
Including power used for lighting	121 W	191 W
Type of opening	Total	

Structure	*Anti-corrosion steel coated with 100% polyester*
Panels	*6 mm synthetic glass*
Filtration module	*Polypropylene*

XLS 633

XLS 714

Flex® Technology

Except XLS 633

In compliance with standard NF X 15-211, 2009, class 1 & 2 More info p.32

\+ Tested according to the ASHRAE 110:1995 standard & compliant with the BS7989 standard
Tests and markings CE

Dimensions (mm)

	XLS 633			XLS 714		
	L	D	H mini/max	L	D	H mini/max
Interior	1566	695	1040	1765	695	1040
Exterior	1600	800	1315/1495	1800	800	1315/1495

Technical specifications

	XLS 633	XLS 714
Number of filtration columns	3	4
Number of fans (IP44)	3	4
Processed air flow	690 m^3/h	920 m^3/h
Air velocity at openings (in on-position)	0,4 to 0,6 m/s	
Voltage/frequency	90 - 264 V / 50-60 Hz	

	XLS 633	XLS 714
Including power used for lighting	191 W	261 W
Type of opening	Trapezoid	Total
Structure	*Anti-corrosion steel coated with 100% polyester*	
Panels	*6 mm synthetic glass*	
Filtration module	*Polypropylene*	

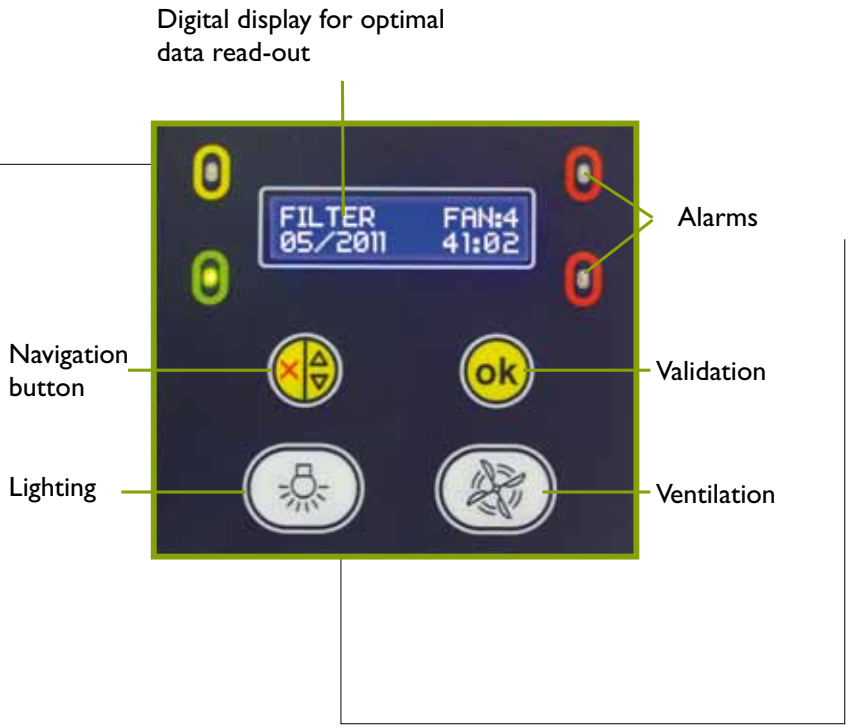
Control panel

Flow monitor

This device allows for continuous monitoring of the ventilation flow rate and alerts the user via visible and audible alarm in the event of a ventilation system failure.

Adjustable timer

This timer records the number of hours that the device has been in operation and, every 60 hours, notifies the user the need to test the saturation level of the molecular filter. (In accordance with the requirements of the AFNOR NF X 15-211: 2009 standard).



Sampling port

This port allows the user to sample the air within the detection chamber of the filtration module in order to evaluate the saturation level of the molecular filter, using color changing reagent tubes (not included).

(Equipment not included on devices set with the Molecode S automatic saturation detection sensor)

Anemometer

This system continuously monitors the face velocity, which must fall between 0.4 and 0.6 m/s. (in accordance with the requirements of the AFNOR NF X 15-211: 2009 standard).

Chemical Listing

A guide of Erlab-approved chemicals

This guide includes a comprehensive list of chemicals that Erlab certifies as tested and authorized for use within the hood, under the conditions set forth by the AFNOR NF X 15-211: 2009 standard.

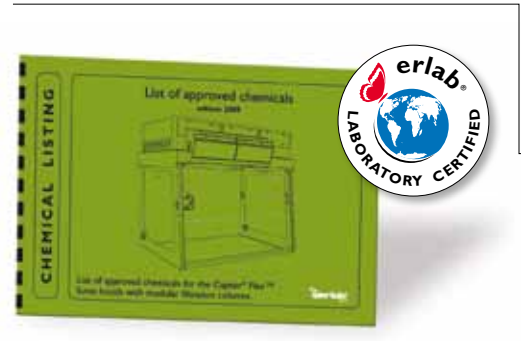
The guide includes almost 700 chemicals and lists the following for each of these chemicals: name of the chemical, its formula, its CAS number, its boiling point, its molecular mass, its saturation vapor pressure, the filter designed to trap this chemical and the retention capacity of this filter, the type of filter saturation detection system, the maximum mass of the chemical that may be introduced within the enclosure, and the name of the testing laboratory that performed the test related to this chemical handling.

Energy-efficient lighting

Internal Lighting
18 W - 500 lux - IP67.
Compact fluorescent tube lights. One to three tubes, depending on the model. Dust and vapor-tight. Even, bright lighting of the work surface.

Side panel utility ports

Located on the enclosure sides, these ports allow electrical cables and/or fluid lines to enter the enclosure with ease.



The product of 40 years of R&D!

Work surfaces

Glass work surface
- Tempered glass work surface with framing
- Ergonomic arm rest to work confortably.

Phenolic resin work surface
- Work surface with built-in spill tray, made of phenolic resin, with an ergonomic arm rest to work confortably.
- High chemical and mechanical resistance.
- Ideal for precision weighing operations.

Work surface in stainless steel 304 L
High chemical and mechanical resistance. Rounded corners to facilitate cleaning operations. Built in spill tray.

(Only available for the models : M 321, M 391, XLS 483, XLS 714)

Work benches and shelves

Mobicap™*
- Metal rolling cart, equipped with 4 wheels (2 locking wheels).
- Allows the device to be moved safely.

*Only available for the Captair® Flex® M 321 and Captair® Flex® M 391 models

Benchcap™

- Fixed metal work bench.
- Equipped with 4 height adjustment jacks.

Internal metal sliding shelf
for Mobicap™ and Benchcap™.

Molecode™ S

Large-spectrum filter saturation alarm.
(Equipment required by class 1 of the AFNOR NF X 15-211: 2009 standard)

- 1 sensor is located in the detection chamber and automatically detects when the filter has become saturated by solvents.

- 1 sensor is in contact with the laboratory air and indicates an eventual pollution rise with solvents

Particle pre-filter

Eliminates particles > 0.3 µm to optimize the performance of the HEPA H14 filter.

Transparent back panel

- Made of synthetic glass.
- Offers 360° visibility of handlings performed into the enclosure
- Optimizes lighting conditions.

Rear access panel

- Made of steel.
- Located on the back side of the enclosure, this door provides easy access for large, heavy instruments.
- Ideal for maintenance operations.

(Except on the Captair® Flex® M 321 model)