



# Captair Smart

Ductless filtering fume hoods

Life in the lab becomes Simpler *Safer*



# Captair Smart

## Ductless Filtering Fume Hoods

Erlab's innovative technology keeps you safe

Erlab's unique Flex Filtration can manage most lab applications

### SMART TECHNOLOGY

Simple, intuitive communication by light shows the status of the hood

Sensors to detect filter saturation

Very low energy consumption - Reduced running costs

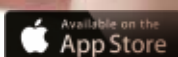
Face velocity is automatically monitored

The 6° slanted sash offers optimal visibility and an ergonomic work space

Large openings for easy access to your work



Download the eGuard App for remote control and monitoring



Life in the laboratory becomes simpler and safer

# Simpler to use *Safer* to operate

Erlab's 45 years of expertise in research, design and manufacturing of filtering fume hoods guarantee superior filtration that will keep you protected during your chemical processes.

**Smart Technology:** The new Captair Smart ductless filtering fume hoods are designed with a simple and innovative way of communication. Smart Technology uses simple light to show that the hood is operating safely so you can focus your attention on what is most important: your work.



## Filtration

Demand the best filtration quality



## Simple to use

A single activation key



## Safety

A powerful communication interface via light pulses to enhance safety.

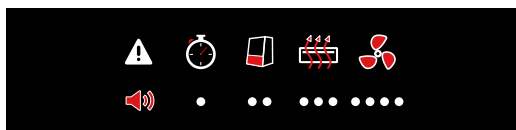


## Connectivity

Connect your device and monitor its use remotely via our mobile solutions.

## Simpler to use

- SMART technology informs users about their protection using light and sound .  
**Light and sound pulses give real time information about:**



Fume hood working time  
Air face velocity  
Filters saturation  
Ventilation parameters

- The eGuard App gives you remote control to monitor the hood, change the settings, and delivers safety alerts immediately to your mobile, tablet or PC device.

## Safer to operate

- The configurable filtering system above the enclosure can be adapted to filter gases, solvents, powders and particulates keeping the user and the lab protected by safely and efficiently recirculating air within the room and releasing purified air back into the room free of any toxic hazardous vapors or odors
- Meets AFNOR NFX 15 211/ANSI Z9.5-2012 filtration efficiency standard (classes 1 and 2).
- New sensors are added for detection of solvents or acids or formaldehyde.
- New electronic anemometer monitors face velocity
- ESP Program: Usage certification delivered with each unit after approval of your handlings or process by our in-house lab.

# Specifications

321



391



481



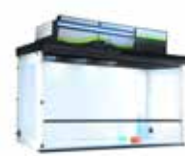
392



483



633



714



<b>Model</b>	<b>321</b>	<b>391</b>	<b>481</b>	<b>392</b>	<b>483</b>	<b>633</b>	<b>714</b>
<b>Width (mm)</b>	780	1005	1260	1005	1280	1604	1805
<b>Depth (mm)</b>	620			749			
<b>Height min - max (mm)</b>	1110 - 1285			1340 - 1515			
<b>Air Flow</b>	220 m <sup>3</sup> /h - 130 CFM			440 m <sup>3</sup> /h - 260 CFM	660 m <sup>3</sup> /h - 390 CFM		880 m <sup>3</sup> /h - 520 CFM
<b>Sash type</b>	Oblong			Total openings or new reverso sash			
<b>Safety Standards</b>	AFNOR NF X 15-211:2009 : France - BS 7989 : England DIN 12 927 : Germany - EN 1822 : 1998 (HEPA H14 & ULPA U17 Filters) - CE Marking						
<b>Air Face Velocity</b>	0,4 to 0,6 m/s - 79 fpm to 118 fpm						
<b>Power consumption</b>	65 W			105 W	160 W		220 W
<b>Voltage/Frequency</b>	90 - 220 V / 50-60 Hz						
<b>Structure</b>	Corrosion resistant electro-galvanized steel coated with anti-acid polymer						
<b>Side and front panels</b>	Chemical resistant acrylic						
<b>Filtration module</b>	Polypropylene						

## Features

<b>Smart Technology</b>	Simple communication by LED pulsation system: fan settings, usage timer, fan failure, face velocity, automatic filter saturation detection
<b>Filtration Technology</b>	1 - 4 columns that can be configured to handle liquids, powders, or both
<b>Carbon filtration for gases and vapors</b>	AS : For organic vapors - BE+ : For organic vapors and acid vapors F : For formaldehyde vapors - K : For ammonia vapors
<b>Particulate filtration for powders</b>	HEPA H14 filtration efficiency: 99.995 % according to MPPS method, EN1822 standard ULPA U17 filtration efficiency: 99.99995 % according to MPPS method, EN1822 standard
<b>eGuard app (Android or iOS)</b>	App for remote control to monitor the hood, change the settings, and deliver safety alerts immediately to your devices (mobile, tablet and PC).
<b>Connectivity</b>	RJ45 cable connection
<b>Internal lighting</b>	LED lighting > 650 Lux
<b>Electronic Anemometer</b>	Indicates the face velocity of the unit
<b>Chemical Listing</b>	List of approved chemicals

## Accessories

<b>Work Surfaces</b>	Trespa® Top Lab <sup>plus</sup> , Glass or 304L Stainless Steel	
<b>Benches</b>	Rolling cart (Mobicap) or Fixed bench (Benchcap)	Fixed Bench (Benchcap)
<b>Bench equipment</b>	Technical gases outlets, water outlets, front control valves, sink, power sockets (Only compatible with Trespa® Top Lab <sup>PLUS</sup> worktop and fixed bench)	
<b>Particulate Pre-filter</b>	Protects the main filter(s) from dust	
<b>Molecode</b>	Detection sensor for: Type S, for solvents, / Type A, for acids / Type F, for formaldehydes	
<b>Wasteport</b>	Double-bag with protected housing	
<b>Transparent Back Panel</b>	Clear acrylic panel for easy viewing	

