



# Captair

## Ductless filtering fume hoods

### SAFETY

Guaranteed through validation according to AFNOR NF X 15 211 safety standards.

### PERFORMANCE

Backed with over 50 years experience in molecular and particulate air filtration technology. Meets AFNOR, ANSI, and ASHRAE standards.

### SAVINGS

No HVAC means a significant reduction in construction, installation, and energy costs.

### SIMPLICITY

Delivered completely knocked down (CKD) for easy installation in any setting. Sets up in minutes.

### CONNECTIVITY

SMART Technology for real-time performance monitoring including the filters efficiency and face velocity.



Erlab's unique Flex Filtration can manage most lab applications

Sensors to detect filter saturation

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  
Life

### SMART TECHNOLOGY

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

Very low energy consumption - Reduced running costs



Life in the laboratory becomes simpler and safer

**Erlab's 50 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 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

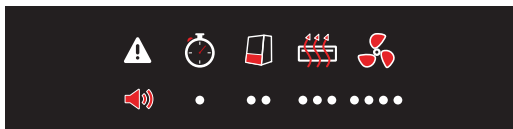


## Safety

A powerful  
communication  
interface via light pulses  
to enhance safety

## Simpler to use

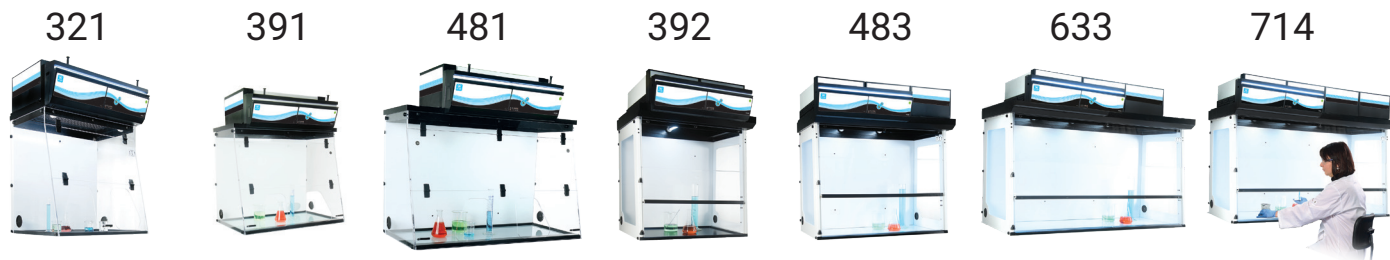
- SMART technology informs users about their protection using light and sound .  
Light and sound pulses give real time information about:



Fume hood working time  
Air face velocity  
Filters saturation  
Ventilation parameters

## 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.



Model	321	391	481	392	483	633	714
Width (inch - mm)	30 <sup>3/4</sup> - 780	39 <sup>5/8</sup> - 1005	49 <sup>5/8</sup> - 1260	39 <sup>5/8</sup> - 1005	50 <sup>3/8</sup> - 1280	63 <sup>1/8</sup> - 1604	71 - 1805
Depth (inch - mm)	24 <sup>3/8</sup> - 620			29 <sup>1/2</sup> - 749			
Height min - max (inch - mm)	43 <sup>3/4</sup> - 1110 - 50 <sup>5/8</sup> - 1285			52 <sup>3/4</sup> - 1340 - 59 <sup>5/8</sup> - 1515			
Air Flow	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
Sash type	Oblong			Total openings or <a href="#">new reverso sash</a>			
Safety Standards	AFNOR NF X 15-211:2009 : France - BS 7989 : England DIN 12 927 : Germany - EN 1822 : 1998 (HEPA H14 & ULPA U17 Filters) - CE Marking						
Air Face Velocity	0,4 to 0,6 m/s - 79 fpm to 118 fpm						
Power consumption	65 W			105 W	160 W		220 W
Voltage/Frequency	90 - 220 V / 50-60 Hz						
Structure	Corrosion resistant electro-galvanized steel coated with anti-acid polymer						
Side and front panels	Chemical resistant acrylic						
Filtration module	Polypropylene						

## Features

Smart Technology	Simple communication by LED pulsation system: fan settings, usage timer, fan failure, face velocity, automatic filter saturation detection
Filtration Technology	1 - 4 columns that can be configured to handle liquids, powders, or both
Carbon filtration for gases and vapors	AS : For organic vapors - BE+ : For organic vapors and acid vapors F : For formaldehyde vapors - K : For ammonia vapors
Particulate filtration for powders	HEPA H14 filtration efficiency: 99.995 % according to MPPS method, EN1822 standard ULPA U17 filtration efficiency: 99.99995 % according to MPPS method, EN1822 standard
Connectivity	RJ45 cable connection
Internal lighting	LED lighting > 650 Lux
Electronic Anemometer	Indicates the face velocity of the unit
Chemical Listing	List of approved chemicals
Work Surfaces	TRESPA® TopLab <sup>PLUS</sup> , Glass or 304L Stainless Steel

## Accessories

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