erlab

You can breathe.

Captair
Ductless filtering fume hoods

SAFETY
Guaranteed through validation according to AFNOR NFX 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

Download the eGuard App for remote control and monitoring

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

Very low energy consumption - Reduced running costs

Google play
App Store
Available on the

Life in the laboratory becomes simpler and safer

Captair
Ductless filtering fume hoods
Erlab's innovative technology keeps you safe

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 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
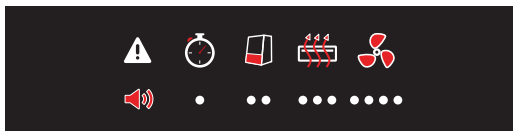
Connectivity

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.
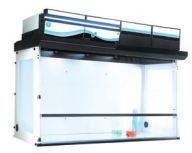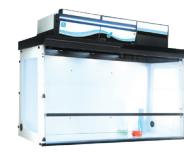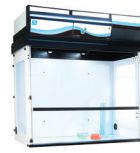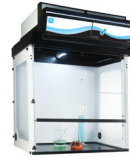
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| 321 | 391 | 481 | 392 | 483 | 633 | 714 |

Model	321	391	481	392	483	633	714
Width (inch - mm)	(30³/₄) 780	(39⁵/₈) 1005	(49⁵/₈) 1260	(39⁵/₈) 1005	(50³/₈) 1280	(63¹/₈) 1604	(71) 1805
Depth (inch - mm)	(24³/₈) 620			(29¹/₂) 749			
Height min - max (inch - mm)	(43³/₄) 1110 - (50⁵/₈) 1285			(52³/₄) 1340 - (59⁵/₈) 1515			
Air Flow	220 m³/h - 130 CFM			440 m³/h - 260 CFM	660 m³/h - 390 CFM		880 m³/h - 520 CFM
Sash type	Oblong			Total openings or new reverso sash			
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/Fequency	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: 99.999995 % according to MPPS method, EN1822 standard
eGuard app (Android or iOS)	App for remote control to monitor the hood, change the settings, and deliver safety alerts immediately to your devices (mobile, tablet and PC).
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® Top Lab^plus, 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® Top Lab^PLUS 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