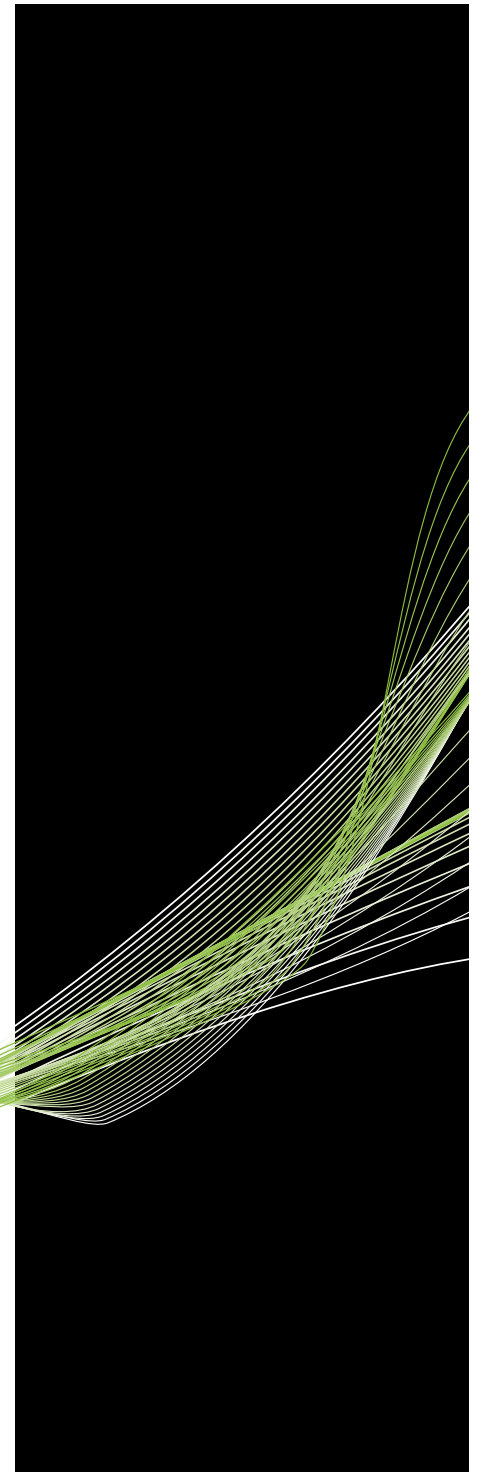




Captair Smart

Ductless filtering chemical storage cabinets

Life in the lab becomes *Simpler Safer*



Captair Smart

Ductless filtering chemical storage cabinets
Erlab's innovative technology keeps you safe

Erlab's unique Flex Filtration can manage most lab storages

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

Sensors to detect filter saturation

Low power consumption. Operates with a standard plug using only 60W

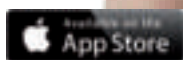
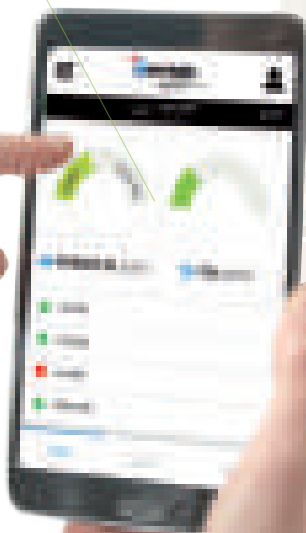
Sensors alert the user if the door is left open

Locking doors for added security

Clear doors for easy viewing



Download the eGuard App for remote control and monitoring

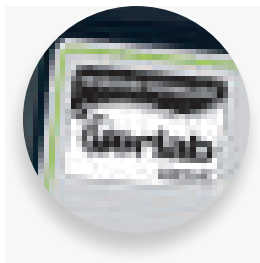


Life in the laboratory becomes simpler and safer

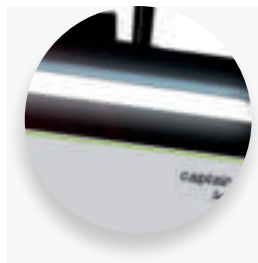
Simpler to use *Safer* to operate

Erlab's 47 years of expertise in research, design and manufacturing of filtering fume hoods and chemical storage cabinets guarantee superior filtration that will keep you protected during your chemical processes.

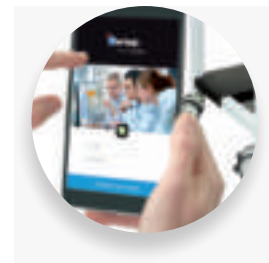
Smart Technology: The new Captair Smart filtering chemical storage cabinets are designed with a simple and innovative way of communication. Smart Technology uses simple light to show that the unit is operating safely so you can focus your attention on what is most important: your work.



Erlab's expertise
in filtration



Guided by
the light



Remote access to unit
status, settings and alerts

Simpler to use

- Smart Technology enables visual light communication to indicate the status of the hood. When the light is still the hood is operating safely. To alert you, the light will pulse. A simple light pattern will indicate if :
 - Air flow is compromised
 - Fan Failure
 - Filter breakthrough
 - Doors are left open
- **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 sensors are added if doors are left open.
- ESP Program: Usage certification delivered with each unit after approval of your storages by our in-house lab.

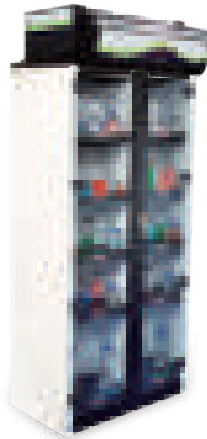
Organize your chemical storage

- Smaller sizes are available for use on or under counters or equipment.
- Floor-standing models can be configured with adjustable spill-proof shelves, pull-out vertical shelves, and large volume drawers.

822



834



1634



RANGE OF CAPTAIR SMART (Filtering storage cabinets)	822	834	1634
Storage capacity	up to 50 bottles of 1 Liter	up to 120 bottles of 1 Liter	up to 240 bottles of 1 Liter
Dimensions (in mm) (L x D x H)	652x580x755	900x529x2140-2300	1800x565x2140-2300
Volume of air treated	70 m3/h	200-230 m3/h	
Voltage/Frequency	Connection to main power: 100-240V - Internal circuit: 24V-DC/50-60 Hz		
Enclosure material	Doors in clear transparent chemical resistant acrylic and body in electro-galvanized steel coated with anti-acid polymer		
Filtration modules	Made of injected Polypropylene		
STORAGE OPTIONS	Option 1: 2 storage compartments , adjustable shelves and sliding doors	Option 1: 1 or 2 storage compartments with adjustable PP shelves built as retaining tray and 2 hinged transparent doors	Option 1: 1 to 4 storage compartments with adjustable PP shelves built as retaining tray and 4 hinged transparent doors
	Option 2: 1 large extractible storage compartment	Option 2: 1 or 2 extractible vertical shelves	Option 2: 1 to 4 extractible vertical shelves

SAFETY FEATURES

Filtration technology	High efficiency molecular filter for the storage of liquid chemicals	Patented Modular "Flex" technology consisting of multi-layer filtration columns to store liquid chemicals, powders or both.	
Filter revolving technology	Not available	Two identical molecular filters located below and above a detection chamber ensuring no chemical escape when the filter lower is saturated. Upper filter will replace the saturated lower filter and a new upper filter will be installed.	
Safety alerts	Patented "Smart" technology consisting of safety alerts by LED pulsation and coded sounds expressing possible fan failure, opened door and filter saturation.		
eGuard app/software	Smartphone application or computer software to monitor remotely the safety functions of the Captair Smart unit, change the settings, get history of the Captair Smart usage.		
Compliance with applicable world safety standards (filtration)	JG/T 385-2012 : China - AFNOR NF X 15-211:2009 : France - SEFA 9 : USA - BS 7989 : England DIN 12 927 : Germany - EN 1822 : 1998 (HEPA H14 & ULPA U17 Filters) - CE Marking		
Molecular filters efficiency	Max. 1% of the PEL-TWA of the stored chemicals released downstream the filtration system		
Filters saturation detectors	Molecode S for saturation detection by solvents - Molecode A for saturation detection by acids; Molecode F for saturation detection by formaldehyde		
Filtration capacity	Erlab chemical list of over 600 chemicals indicating the molecular filter capacity in grams at 1% of the PEL-TWA (Permissible Exposure Limit acc. OSHA/USA) of the chemicals		
Filtration tests certificates	Intertek (NFX 15-211) - SGS (SEFA 9) - Tongji University (JG/T 385-2012)		
Safety lock	1	2	4

FILTERS and ACCESSORIES

Carbon filters for gases and vapors	HF2 AS for organic chemicals HF2 K for Amines	HF2 BE for acid chemicals HF2 F for Aldehydes (for 822)	GF4 AS for organic chemicals GF4 K for Amines	GF4 BE for acid chemicals GF4 F for Aldehydes (for 834/1634)
HEPA/ULPA filters for powders	Not available	HEPA H14 filtration efficiency: 99,995% according to MPPS method, EN1822 standard ULPA U17 filtration efficiency: 99,99995% according to MPPS method, EN1822 standard		
Prefilter	Not available	40% filtration efficiency for particles $\geq 0,3\mu\text{m}$		

Europe

erlab D.F.S S.A.S (France)
Parc d'Affaires des Portes
BP 403
27104 Val de Reuil Cedex - France
Tel. : +33(0)2 32 09 55 80
Fax. : +33(0)2 32 09 55 90
E-Mail : Ventas@erlab.net

erlab S.L (Spain)
Pol. Ind. Sur
Pasaje Newton 3A
08754 El Papiol - Barcelona - Spain
Tel. : +34 93 673 24 74
Fax. : +34 93 673 24 76
E-Mail : Ventas@erlab.net

North America

erlab, Inc. (USA)
388 Newburyport Turnpike
Rowley, MA 01969 - USA
Tel. : +1(978) 948-2216
Fax. : +1(978) 948-3354
E-Mail: CaptairSales@erlab.com

Asia, Middle East, Africa, South America

Kunshan erlab D.F.S Co.,Ltd
No.118 Feng Qin Rd.
KETD Kunshan
Jiangsu Province - China
Tel. : +86 (0)512 5781 4085
Fax. : +86 (0)512 5781 4082
E-Mail : Sales.china@erlab.com.cn

Southeast Asia

erlab SEA Sdn Bhd (Malaysia)
25 Jalan Firma
2/1 Kawasan Perindustrian - Tebrau
81100 Johor Bahru - Malaysia
Tel. : +60 (0)7 355 57 24
Fax. : +60 (0)7 355 28 10
E-Mail : erlab@erlab.com.my

