



CaptairFlow

Clean air enclosure

Providing an ultra-clean,
ISO 5 environment

SAFETY

Vertical Laminar air flow stream for optimized interior cleanliness with H14 HEPA filters.

PERFORMANCE

H14 HEPA filters that meet EN1822 standards.

ADAPTABILITY

Easily integrate a combination of HEPA and carbon filters for increased product protection.

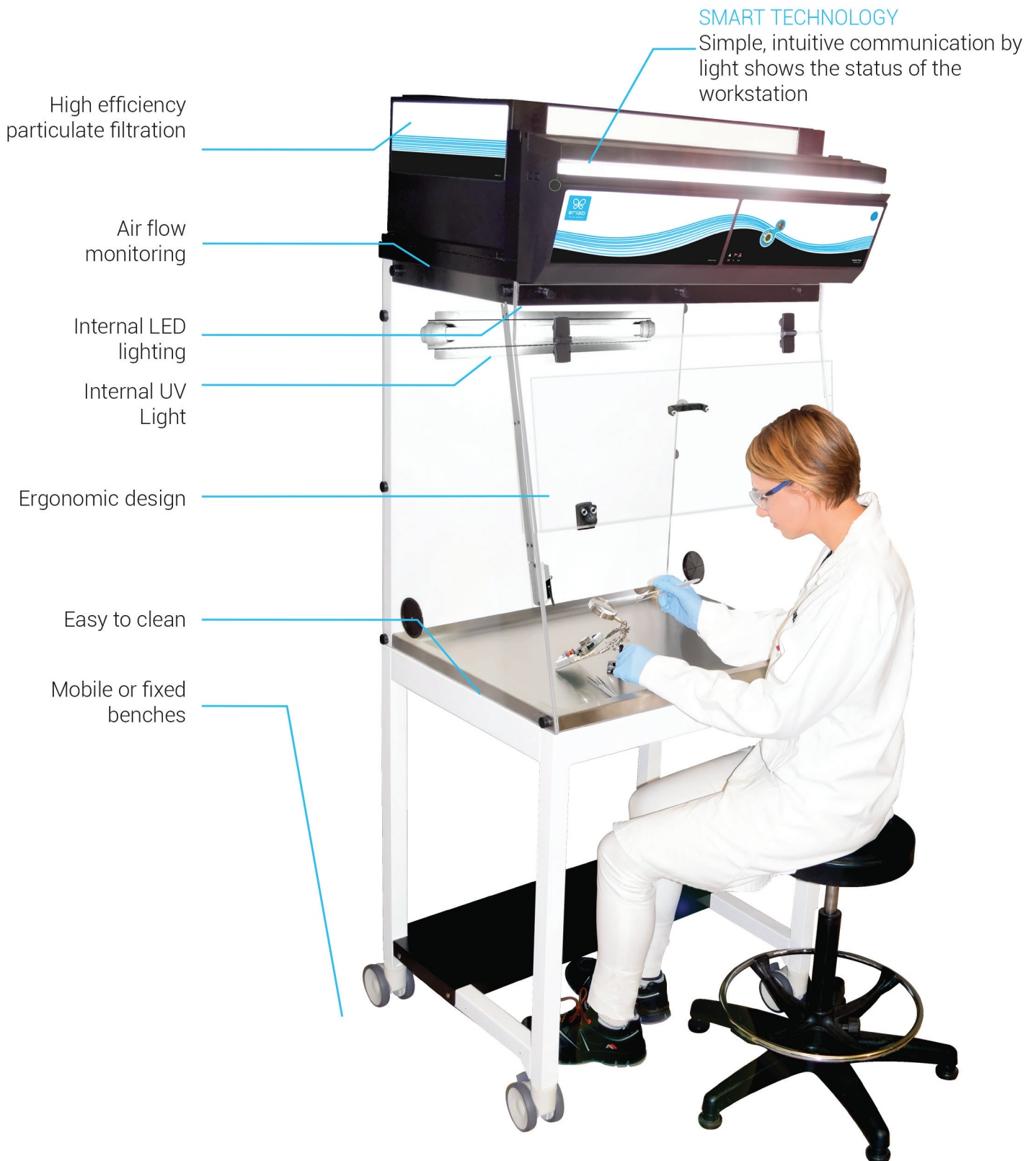
SIMPLICITY

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

CONNECTIVITY

SMART technology for real-time performance ensuring peak operation and product protection.





Life in the laboratory becomes simpler and safer

With more than 50 years of experience, CaptairFlow clean-air enclosures feature HEPA H14 (or ULPA U16) filters that provide optimum protection against external particulate contamination and are designed to provide an ISO 14644-1:2015, Class 5* work environment.



Particulate free workstation

- Protection against external contamination
- Internal air quality achieved by high efficiency particulate filter(s) (HEPA H 14 / ULPA U16)
- Carbon filter (optional) to protect handlings from VOCs present in the laboratory atmosphere
- ISO Class 5* air quality in the enclosure according ISO 14644-1



Easy to clean

- Work surface is easy to clean
- Seamless worktop with smooth corners (available in TRESPA® TopLab PLUS or Stainless steel 304 L)
- Low porosity material



Ergonomic design

- 4 models available for your handlings with large openings for easy access to your work
- Slanted sash provides an ergonomic position for comfort and productivity
- High luminosity, internal LED lighting (daylight, light intensity > 800 lux)

Simpler to use

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



- Air face velocity is compromised: check sash, pre-filter or HEPA/ULPA filter
- Fan failure has occurred

Safer to operate

- ULPA U16 filters guarantee 99.99995% filtration efficiency for particles larger than 0.1 µm.
- HEPA H14 filters guarantee 99.995% filtration efficiency for particles larger than 0.1 µm.
- Add a molecular filter for additional protection from fumes and vapors present in the laboratory air.
- Air quality in the enclosure complies with EN ISO 14644-1 (ISO Class 5).
- The anemometer monitors a drop in pressure indicating that pre-filter or filter replacement is required.



Model	321		391		483		714	
Safety standards	NF EN 61010 - CE Marking - EN 1822:1998 (HEPA H14 & ULPA U16 Filters) Air quality within the enclosure: ISO Class 5* EN 14644-1 standard							
External width (in-mm)	(31 ^{5/8}) / 803		(39 ^{3/4}) / 1010		(50 ^{3/8}) / 1280		(71) / 1803	
External depth (in-mm)	(24 ^{1/4}) / 616		(24 ^{1/4}) / 616		(29 ^{1/2}) / 749		(29 ^{1/2}) / 749	
External height min-max (in-mm)	(43 ^{1/2} - 50 ^{7/8}) / 1105-1292		(43 ^{5/8} - 50 ^{5/8}) / 1105-1292		(52 ^{1/2} - 59 ^{3/4}) / 1333-1518		(52 ^{1/2} - 59 ^{3/4}) / 1333-1518	
Internal width (in-mm)	(30 ^{1/8}) / 765		(38 ^{1/8}) / 969		(46 ^{1/8}) / 1172		(66 ^{3/4}) / 1695	
Internal depth min-max (in-mm)	(19 ^{3/4} - 21 ^{1/2}) / 502-546				(25 ^{1/2} - 25 ^{3/4}) / 648-654			
	1P	1C1P	1P	1C1P	1P	1C1P	1P	1C1P
Internal height (in-mm)	(32 ^{5/8}) / 828		(32 ^{5/8}) / 828	(26 ^{3/16}) / 666	(40 ^{7/8}) / 1038	(24 ^{11/16}) / 628	(40 ^{7/8}) / 1038	(23 ^{13/16}) / 607
Voltage / Frequency (V-Hz)	100-240 / 50-60							
Air flow (m3/h-CFM)	320 / 188	150 / 88	345 / 203	150 / 88	770 / 453	530 / 311	1040 / 612	690 / 406
Power consumption (Watts)	55	35	55	40	95	90	105	110
Decibel level (dBA)	59	49	62	52	60	57	59	56
Side and front panels	Chemical resistant acrylic							
Structure	Corrosion resistant electro-galvanized steel coated with anti-acid polymer							
Filtration module	Polypropylene							

Filtration

Model	321	391	483	714
Particulate filter (1P)	HEPA H14 : This filtration technology traps particles larger than 0.1 µm with 99.995% efficiency according to the MPPS method set forth in the EN 1822-1 standard. ULPA U16 : This filtration technology traps particles larger than 0.1 µm with 99.99995% efficiency according to the MPPS method set forth in the EN 1822-1 standard.			
Carbon filter (optional) (1C)	Adding a carbon filter to your enclosure allows protection of your samples from VOCs. AS filter. For organic vapors			
Particulate Pre-filter	Protects particulate filters from dust contained in the laboratory environment (only for 1P version)			

Features

Model	321	391	483	714
Worktop	Stainless steel 304 L / TRESPA® TopLab PLUS			
Internal lighting	LED - IP 44 - 6000K			
	800 lux	850 lux	950 lux	1000 lux
Bactericidal UV Lights	15W - Wavelength: 254 nm			
	0.08 mJ/ s/cm ²	0.08 mJ/ s/cm ²	0.08 mJ/ s/cm ²	0.13 mJ/ s/cm ²
Connectivity	RJ45 cable connection to view and change workstation settings (cable included)			
Anemometer	Anemometer monitors a drop in pressure that indicates pre-filter or filter replacement is required			

Accessories

Model	321	391	483	714
Benches	Rolling cart (Mobicap) or fixed bench (Benchcap)		Fixed bench (Benchcap)	
Molecode S	Automatic detection of VOC filter breakthrough			