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CaptairBio

PCR workstations

Complete protection for RNA/DNA ampli ication

SAFETY
Protection of RNA/DNA samples. UV safety switched with SMART technology for guaranteed safety from harmful UV rays

PERFORMANCE
H14 HEPA filtration that meets EN 1822 standards.

ADAPTABIILITY
Increase sample protection with the option of adding carbon filtration, combining molecular and particulate filtration.

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

CONNECTIVITY
SMART technology for real-time performance monitoring ensuring peak operation during critical handlings.

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

High efficiency particulate filtration

Internal UV light

Air flow monitoring

Internal LED lighting

UV resistant front and side panels

Ergonomic design

Easy to clean

Mobile or fixed benches

Life in the laboratory becomes simpler and safer

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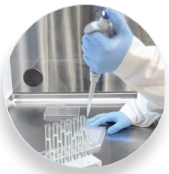
CaptairBio
PCR workstations

CaptairBio PCR Workstations are designed to protect sensitive biological applications against both environmental pollution and cross-contamination. They feature a high efficiency filtration system that provides a particle-free workstation around the manipulation. High energy UV light is used to decontaminate the worktop from biological cross-contamination between two operations.



Particulate free workstation*

- Protection against external contamination
- Internal air quality achieved by high efficiency particulate filter(s) (HEPA H14 / ULPA U16)
- Carbon filter (optional) to protect handlings from VOCs present in the laboratory atmosphere

UV decontamination

- Protect your samples from cross-contamination
- Powerful UV decontamination (254 nm lamp power)
- Adjustable timer
- Automatic UV lamp of switch in case the sash is opened when the UV light is on

Easy to clean

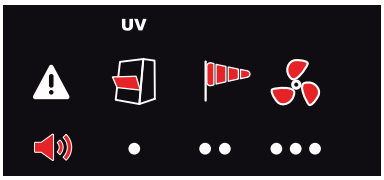
- Work surface is easy to clean
- Seamless worktop with smooth corners (available in TRESPA®TopLab^{PLUS} or Stainless steel (304L)
- Low porosity material

Ergonomic design

- 3 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:



- The sash is open when the UV light is on.
- Air face velocity is compromised: check sash, pre-filter or HEPA / ULPA filter.
- Fan failure has occured.

Safer to operate*

- ULPA U16 filters guarantee 99.99995% filtration efficiency for particles larger than 0.1µm.
- HEPA H14 filters guarantee 99.995% filtration efficiency for particles larger than 0.1µm.
- Add a molecular filter for additional protection from fumes and vapors present in the laboratory air.
- The anemometer monitors a drop in pressure indicating that pre-filter or filter replacement is required.

*Available on Bio 321 and 391

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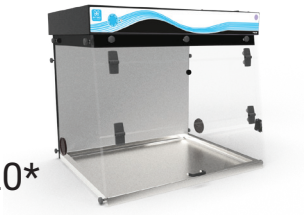
Specifications

320*



AVT Cat. #52428-824
Supplier #321PCR

AVT Cat. #52428-826
Supplier #391PCR

Model	320*	52428-824		52428-826	
Safety standards	NF EN 61010 - CE Marking	NF EN 61010 - CE Marking - EN 1822:1998 (HEPA H14 & ULPA U16 Filters)			
External width (in-mm)	($31^{7/8}$) 810	($31^{7/8}$) 810		($39^{5/8}$) 1006	
External depth (in-mm)	($24^{1/4}$) 615	($24^{1/4}$) 615		($24^{1/4}$) 615	
External height min-max (in-mm)	($28^{1/8}$) 714	($38^{1/8}$ - 42) 968-1067		($38^{1/8}$ - 42) 968-106730	
Internal width (in-mm)	($30^{7/8}$) 784	($30^{7/8}$) 784		($38^{1/8}$) 968	
Internal depth min-max (in-mm)	($19^{5/8}$ - $20^{1/8}$) 498-511	($19^{5/8}$ - $20^{1/8}$) 498-511		($19^{5/8}$ - $20^{1/8}$) 498-511	
Internal height (in-mm)	($22^{1/4}$) 565	($23^{3/8}$) 594		($23^{3/8}$) 594	
Voltage / Frequency (V-Hz)	220-240 / 50-60 or 100-110 / 60	100-240 / 50-60			
Air flow (m^3/h-CFM)	-	1P	1C1P	1P	1C1P
		200 / 118	245 / 144	200 / 118	245 / 144
Power consumption (Watts)	25	40	45	40	55
Decibel level (dBA)	< 40	54	57	55	57
Side and front panels	10 mm thick synthetic glass is designed to protect users from harmful UV rays and β (Bêta) emitted from radioactive isotopes such as: T(3H), 14C, 32P				
Structure	Corrosion resistant electro-galvanized steel coated with anti-acid polymer				
Filtration module	Polypropylene				

Filtration

Model	320*	52428-824	52428-826
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 in the laboratory environment (only for 1P version)	

Features

Model	320*	52428-824	52428-826
Worktop	Stainless steel 304 L / TRESPA® TopLab PLUS		
Bactericidal UV Lights	15W - Wavelength : 254 nm		
	0.08 mJ/ s/cm^2	0.08 mJ/ s/cm^2	0.13 mJ/ s/cm^2
Internal lighting	Compact fluorescent lighting - 18 Watts - IP 67	LED - IP 44-6000K	
	500 Lux	900 lux	950 lux
Connectivity		RJ45 Cable connection to view and change workstation settings (cable included)	
Anemometer		Monitors a drop inpressure that indicates pre-filter replacement is required.	

Accessories

Model	320*	52428-824	52428-826
Benches	Rolling cart (Mobicap) or fixed bench (Benchcap)		
Molecode S	-	Automatic detection of VOC filter breakthrough	

*320 does not include air flow

0925 Lit. No. 050166W