



INSTRUMENTS

PCR Workstations



AirClean Systems
THE FUME CONTROL EXPERTS™

Dead Air Boxes with UV Light. Combination Workstations with Laminar Flow: Class 100 Clean Air Environment with HEPA Filtration and UV Light.

PCR Workstations

Get reliable results!

AirClean Systems PCR Workstations are designed as application solutions for the manipulation and amplification of DNA and RNA. Cross-contamination during amplification of DNA and RNA can lead to results that are inaccurate — results that cost you your valuable time and consume expensive reagents!

AirClean Systems PCR Workstations offer a controlled environment for PCR applications to improve the odds for getting accurate results.

- **Dead Air Boxes (DAB) to provide a circulation free environment with UV light sterilisation**
- **Combination Workstations (LFUV) that combines an ISO 5 (FS209E) Class 100 laminar flow, HEPA filtered clean air environment with UV light sterilisation**

Both types of workstation are available in two sizes and incorporate the following features:

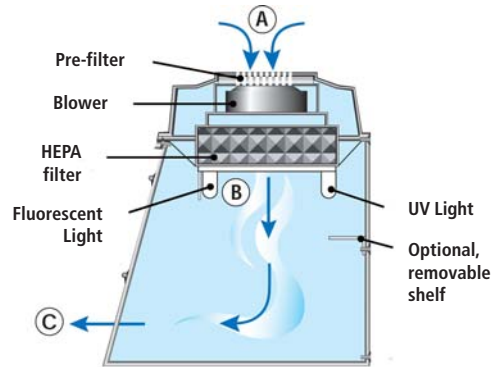
- UVTect™ microprocessor
- Polycarbonate and polypropylene design to reflect UV energy
- Folding sash for full and easy access
- Fluorescent light
- UV light
- Safety interlock switch that automatically cuts off the UV light when the sash is opened
- Uni-body plastic design ensures no UV energy escapes during sterilisation



PCR Workstations

HOW THE LAMINAR FLOW WORKS

- Room air enters at **A**
- The air is forced through the HEPA filter to create a laminar flow
- Clean, laminar flow air enters the cabinet at **B**, and exits at **C**
- UV light sterilises pipettes, pipette tips, tubes and flasks



UVTect™ Microprocessor

The UVTect™ microprocessor constantly monitors the effectiveness of the workstation.



Features:

- Turns the system on and off
- Time and date display
- UV bulb monitor to monitor the effectiveness of the bulb and alert you when bulb life is getting low
- Digital UV timer
- Lab event timer
- Constant HEPA filter monitoring to alert you when the filter needs changing (LFUV models only)
- Variable speed blower control allows manual adjustment to the airflow to accommodate even the most fragile of samples (LFUV models only)

Specifications

	Dead Air Boxes		Combination Workstations	
Width	32" (81.3 cm)	48" (121.9cm)	32" (81.3 cm)	48" (121.9cm)
Depth	24" (61.0cm)	26" (66.0cm)	24" (61.0cm)	26" (66.0cm)
Height	30" (76.2cm)	32" (81.3cm)	30" (76.2cm)	32" (81.3cm)
Ship weight (approx)	45.4kg	68.0kg	56.7kg	81.7kg
Noise level	not applicable	not applicable	<49 DBA	<53 DBA
Voltage	110V or 220V	110V or 220V	110V or 220V	110V or 220V
Power	20 Watts	40 Watts	200 Watts	400 Watts
UV light	15W, 254nm	2 x 15W, 254nm	15W, 254nm	2 x 15W, 254nm
Blower	not applicable	not applicable	Sparkless/Brushless	Sparkless/Brushless
UV light timer	0-60 mins (digital)	0-60 mins (digital)	0-60 mins (digital)	0-60 mins (digital)
Safety interlock	Yes	Yes	Yes	Yes
Air velocity	not applicable	not applicable	UVTect™	UVTect™