Performance

- ISO class 4 (US class 10) HEPA filter for optimal protection against cross-contamination.
  (average life span of HEPA filter: 3 years – it depends on the test room conditions)

- High-quality polyester fiber pre-filter (with minimal pressure loss and 85% arrestant on the A.F.I. test) for trapping larger particles and increasing the life of the main HEPA filter.

- Effective sterilization using a long-life 254 nm UV lamp.
  (average life span of UV lamp: 8,000 hours)

- Built in anti-glare fluorescent lamp minimizes shadows and relieves eye strain.
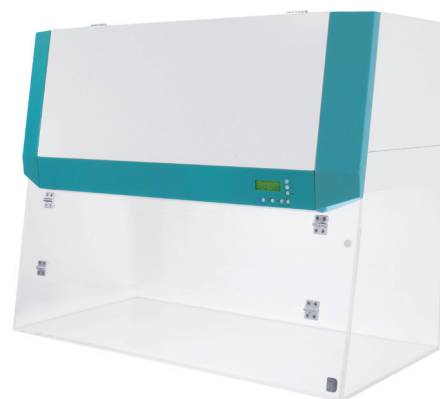
Convenience

- User-friendly microprocessor-based control panel.

- Large capacity blower and easy blower speed adjustment by the control panel.

- Easy-settable digital timer for UV light exposure to deactivate DNA and RNA contaminants. (wait off, max. 30min.)

- Comfortable front access to cartridge type of filters for easy replacement.

Safety

- Interlocking safety door system shuts off UV light automatically when opening the door.

- UV-blocking door and side panels made of transparent acrylic resin provides clear inside view.

- UV over-exposure alarm and over-current protection.

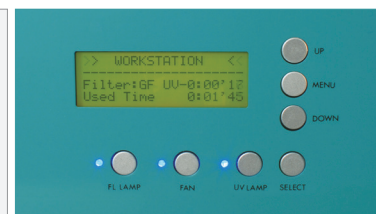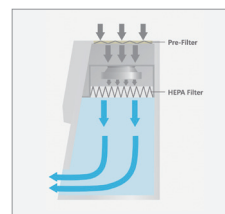# Specially designed to minimize the sample contamination during PCR

applications by combining ISO class 4 (US class 10) clean air environment.

PW-11

Standard accessories
see page 73

- HEPA filter
- Pre filter
- UV lamp
- Fluorescent lamp

Model		PW-01		PW-11		PW-21	
Air flow type		Vertical					
Max. air volume (cmh / cfm)		557 / 327		697 / 408		929 / 546	
Min. air volume (cmh / cfm)		167 / 97		209 / 121		279 / 162	
Laminar airflow velocity (m / s / fpm)		0.3 / 60					
Filter	Air cleanliness	ISO 14644-1 class 4					
	HEPA filter	Typical efficiency of 99.99% at 0.3 ㎛ US MIL-STD-282 ; Micro glass fiber media, Particle board, Aluminum separator, Neoprene gaskets					
	Pre filter	Polyester fibers with an efficiency of 85% (A·F·I TEST); AL frame, Polyester fiber media					
Noise level (dBA)		Typically < 60 dBA at blower speed					
Material	Work surface	10mm thick acrylic resin (clear type)					
	Window (front, side / back)	8mm / 10mm thick acrylic resin (clear type)					
Illumination	Intensity	Fluorescent lamp (lux)	>1000				
		UV density (㎼ / ㎠)	165		185		330
	Capacity	Fluorescent lamp (w)	15 × 1ea		20 × 1ea		30 × 1ea
		UV lamp (w)	15 × 1ea		20 × 1ea		30 × 1ea
Dimension (W×D×H)	Interior (mm / inch)	700×585×602 / 27.5×23×23.7		880×585×602 / 34.6×23×23.7		1180×585×602 / 46.5×23×23.7	
	Exterior (mm / inch)	720×605×964 / 28×24×38		900×605×964 / 35.4×24×38		1200×605×964 / 47.2×24×38	
	Net weight (Body) (kg / lbs)	56.2 / 123.9		64.2 / 141.5		77.8 / 171.5	
Electrical requirements (230V)		60Hz, 1.3A	50Hz, 1.3A	60Hz, 1.4A	50Hz, 1.4A	60Hz, 1.5A	50Hz, 1.5A
Cat. No.		AAHB3001K	AAHB3002K	AAHB3011K	AAHB3012K	AAHB3021K	AAHB3022K
Electrical requirements (120V)		60Hz, 2.2A		60Hz, 2.7A		60Hz, 2.9A	
Cat. No.		AAHB3003U		AAHB3013U		AAHB3023U	

※ FDA establishment registered company. FDA listed products.