



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

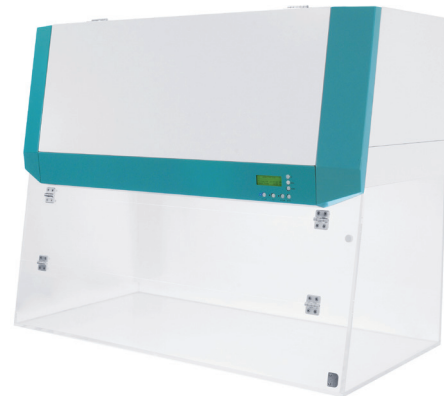
- User-friendly microprocessor-based control panel.
- Large capacity blower and easy blower speed adjustment by the control panel.
- Easy-settable digital timer for UV light exposure to deactivate DNA and RNA contaminants. (wait off, max. 30min.)
- Comfortable front access to cartridge type of filters 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

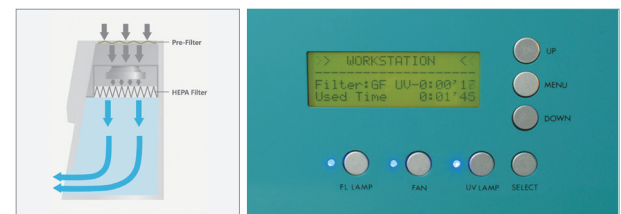
applications by combining ISO class 4 (US class 10) clean air environment.



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 μm 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 (μW / cm ²) | 165 | 185 | 330 | | |
| | Capacity | Fluorescent lamp (w) | 15 × 1ea | 20 × 1ea | 30 × 1ea | | |
| | | UV lamp (w) | 15 × 1ea | 20 × 1ea | 30 × 1ea | | |
| Dimension (WxDxH) | 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.