Jeio Tech Clean Bench - Digital Control (BC-11H)

Product Code: AAHA5022K

Brand: Jeio Tech

With its vertical laminar flow, Jeio Tech's Clean Bench - Digital Control (BC-11H) comes with advanced digital controls and a variety of convenient features.

It also comes with an ISO Class 4 (US Class 10) HEPA filter, the air from which minimises cross contamination in the work space and provides an abrasive-free working environment. Suitable for a variety of test applications such as, plant tissue culture research and syringe filling.

Features:

Performance:

- ISO Class 4 (US Class 10) HEPA filter for optimal protection against cross-contamination.
- 0.3µm and larger particulates are removed with 99.9% efficiency, leak-tight HEPA filter which satisfying class 10 (US Federal Standard 209E). The average life span of the HEPA filter is 3 years - it depends on the test room conditions).
- High-quality polyester fibre pre filter (with minimal pressure loss and 85% arrestant on the AFI test) for trapping larger particles and increasing the life of the main HEPA filter.
- Digital airflow rate sensor (microprocessor) for automated airflow speed control. Offers continual airflow speed of same velocity and extends the HEPA filter life span.
- Exclusive diffusing muffler structure forms high-quality laminar flow.
- Quiet and comfortable working environment (less than 65dB).

Convenience:

- Interlocking smart door system. Simply open the door while the UV lamp is on. Interlocking smart door system will automatically turn off UV-lamp, turn on fluorescent lamp and blower instead of your manual control.
- Two digital displays for the best convenience. Even if any test is ongoing inside of the chamber, unit conditions such as velocity, temperature, and humidity can be easily checked by the inner and outside displays. Digital differential pressure sensor allows for easy vertification of HEPA filter condition great for knowing when to change HEPA filter.
- When UV light intensity is lower than 80%, UV warning lamp is automatically on to let users know when to change the UV lamp.
- Comfortable from access to cartridge type of filters for easy replacement.
- Highly durable, rust-free, and easy-to-clean 304 stainless steel work surface.
- The inner left side magnetic board allows some memos and small tools.

Safety:

- UV-blocking and impact-resistant tempered glass door.
- If the sash is opened more than the recommended sash height level, during operation, warning alarm will activate and alarm users to lower the window to the recommended sash level to prevent contamination of samples.
- If the sash is opened during UV-lamp operation, the UV lamp automatically turns off to protect users.
- Smoothly sliding front door stoppable at any height for user's safety and easy transport of equipment into the workspace.
- Protection against over-current.

Specifications:

Air Flow Type		Vertical laminar flow
Air Volume (minimum/maximum)		0 to 2040cmh/0 to 1200cfm
Laminar Air Flow Velocity (m/s/fpm)		0.45/89
Air Cleanliness Within Work Space		ISO-14644-1 class 4, US Federal Standard 209E class 10
Filters	**HEPA Filter**	Typical efficiency of 99.99% on 0.3µm (US MIL-STD-282). Micro glass fibre Media, Particle board, AL seperator, Neoprene gaskets.
	Pre-Filter	Polyester fibres with a filter efficiency of 85% (AFI-test). Aluminium frame, polyester fibre media.
Noise Level		Typically <65dB at blower speed
Materials)	**Main Body**	Steel powder coating
	Work Surface	Stainless steel grade 304, hairline treatment
	Windows (front/side)	Colourless and transparent UV absorbing 5mm tempered glass
Illumination	**Fluorescent Lamp (W)**	30 x 2ea
		Electronically ballasted fluorescent lamp
	UV Lamp (W)	30 x 1ea
		Electronically ballasted UV lamp
Dimensions (w x d x h)	**Internal**	1245 x 570 x 670mm
	External Without Stand	1435 x 647 x 1150mm
	External With Stand	1435 x 647 x 1870mm
	Net Weight - body (kg)	185
	Net Weight - body x stand (kg)	215
Electrical Requirements (230V, 1ph)		50Hz, 1.73A