

Clean Bench

Basic type



Vertical laminar flow clean benches offer quick operation by simple adjustable analog control

Structural Functional Features

- High-performance HEPA filter provides a clean environment. (99.99% removal of 0.3 μm particles, Class H14 according to EN 1822)
- Polyester fiber pre-filter extends the life of the HEPA filter.
- Formation of reliable and uniform laminar flow through application of specialized diffusing muffler system.
- Easy to replace the filter on the front panel.
- Easy to move and fix the device.
- Internal cleanliness rating (ISO 14644-1 standard) Equivalent to ISO Class 2, Microbiological testing (ISO 14698 standard) ISO Class 5 rating, satisfies the microbiological testing standards (Experiment with sterile environment can be carried out from ISO Class 5)

Use Convenience Features

- Determines when to replace the filter with the built-in differential pressure gauge.
- Easy operation and wind speed control.
- Built-in gas and air connection valves and power outlet.
- Easy and smooth sash door operation.
- Provides a quiet environment with minimal noise.
- Height-adjustable caster for easy vertical installation.

Outstanding Safety

- When the sash door is opened in when UV is ON, UV is automatically turned off for user protection.
- Toughened glass sash door blocks UV light.
- Protects against UV exposure through three modes of illumination. (UV/Fluorescent/Off)



BC-11B

with stand, HEPA filter (option)
Pre filter, UV Lamp, Fluorescent lamp, Electrical socket
Differential pressure gauge (standard)



Controller

Differential pressure gauge

Specification

Model		BC-01B	BC-11B	BC-21B
Air	Air flow type	Vertical Laminar Flow	Vertical Laminar Flow	Vertical Laminar Flow
	Airflow velocity (m/sec/fpm)	0.3 / 59	0.45 / 89	0.3 / 59
	Main filter	HEPA (99.99% at 0.3 μm)	HEPA (99.99% at 0.3 μm)	HEPA (99.99% at 0.3 μm)
	Pre-filter	Polyester Fibers	Polyester Fibers	Polyester Fibers
Illumination	U.V. lamp (254 nm, W)	25 x 1ea	30 x 1ea	25 x 2ea
	Fluorescent lamp (W)	30 x 2ea	30 x 2ea	32 x 2ea
	Fluorescent lamp intensity (Lux)	more than 650	more than 650	more than 650
Dimensions	Exterior with stand (W x D x H, mm / inch)	1135 x 620 x 1860 / 44.7 x 24.4 x 73.2	1435 x 620 x 1860 / 56.5 x 24.4 x 73.2	2035 x 620 x 1860 / 80.1 x 24.4 x 73.2
	Exterior without stand (W x D x H, mm / inch)	1135 x 620 x 1150 / 44.7 x 24.4 x 45.3	1435 x 620 x 1150 / 56.5 x 24.4 x 45.3	2035 x 620 x 1150 / 80.1 x 24.4 x 45.3
	Interior (W x D x H, mm / inch)	945 x 585 x 670 / 37.2 x 23.0 x 26.4	1245 x 585 x 670 / 49.0 x 23.0 x 26.4	1845 x 585 x 670 / 72.6 x 23.0 x 26.4
	Net weight (kg / lbs)	140 / 308.6	185 / 407.9	225 / 496
	Net weight (body + stand) (kg / lbs)	170 / 374.8	215 / 474	255 / 562.2
Noise Level (dB)		Less than 65	Less than 65	Less than 65
Electrical requirements (230V, 50/60Hz, 1ph, A)		1.38	1.73	2.30
Cat. No.		AAHA6012K	AAHA6022K	AAHA6032K
Electrical requirements (120V, 60Hz, 1ph, A)		2.62	3.27	4.36
Cat. No.		AAHA6013U	AAHA6023U	AAHA6033U

Accessories [Page 187](#) HEPA Filter, Pre-filter, Stand, Gas Cock, Differential Pressure Gauge