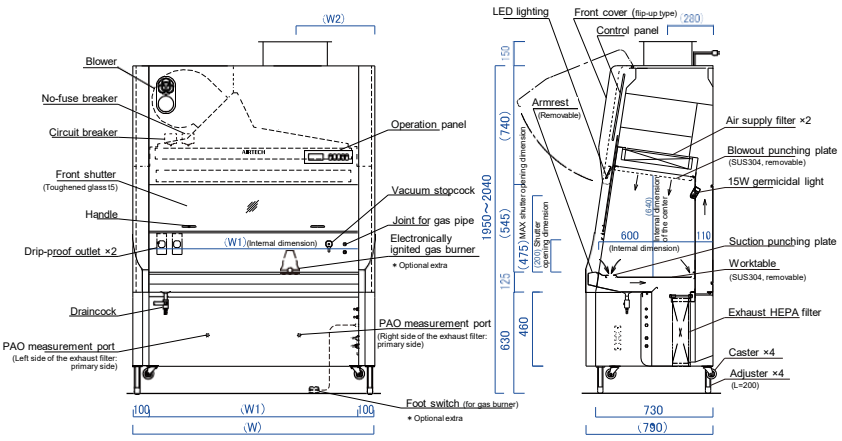
10 type inclined biosafety cabinet 〈Total exhaust type〉

Class Ⅱ B2

Total exhaust type that allows you to handle volatile chemical substances.

- JIS self-declaration of conformity product.
- Power-saving model that uses a high-efficiency brushless DC motor and a long-life LED light.
- Shutter opening is 200mm to reduce the load on the exhaust system.
- Possible to maintain and inspect the main equipment such as the fan and HEPA filter from the top of the front.
- Possible to build in an exhaust fan that covers the pressure loss inside the product. It can maintain a stable front air intake flow in conjunction with the exhaust fan of the building side. ＊Exhaust fan is an optional extra.



Model	W	W1	W2
BHC-1010 II B2	1200	1000	(325)
BHC-1310 II B2	1500	1300	(490)
BHC-1610 II B2	1800	1600	(490)
BHC-1910 II B2	2100	1900	(490)

Model	BHC-1010ⅡB2	BHC-1310ⅡB2	BHC-1610ⅡB2	BHC-1910ⅡB2
Efficiency	99.99% or higher at 0.3μm particles			
Filter element: Supply filter	CD3130962 ×1	CD3130965 ×1	CD3150283 ×2	CD3130962 ×2
: Exhaust filter	CD3218090 ×1	CD3213317 ×2	CD3218110 ×2	CD3217851 ×2
Air volume : Supply (㎥/min)	10.0	12.4	16.0	19.4
: Exhaust (㎥/min)	16.6	21.0	26.6	31.9
Workspace air velocity (m/s)	Avg. 0.33±0.025	Avg. 0.30±0.025	Avg. 0.33±0.025	Avg. 0.33±0.025
Inlet suction velocity from the front (m/s)	Avg. 0.55±0.025	Avg. 0.55±0.025	Avg. 0.55±0.025	Avg. 0.55±0.025
Power source	AC100V 1φ 50/60 Hz			
Power consumption (W)	Approx. 150 (210VA)	Approx. 180 (300VA)	Approx. 230 (350VA)	Approx. 280 (400VA)
LED light	8W×3	11W×3	14W×3	17W×3
Germicidal light ＊Inverter type	15W×2	15W×2	15W×2	15W×2
Weight (kg)	Approx. 300	Approx. 350	Approx. 380	Approx. 450
Minimum install dimension (mm)	W1200×D730×H1970	W1500×D730×H1970	W1800×D730×H1970	W2100×D730×H1970
Structure	Main body: Steel plate (baking finish), workspace: stainless steel			

＊Supply / exhaust HEPA filters are scan tested. ＊Air volume is a measured value when the front opening dimension is 200 mm.
＊Air velocity in the work area is a measured value of 335 mm above the work surface when the front opening is 200 mm.
＊Inlet suction velocity from the front is a measured value when the front opening dimension is 200 mm. ＊Power consumption does not include the capacity of the power outlet when the fan and lights are in operation.
＊Germicidal light is a safety interlock type that only turns on when the shutter is fully closed.

Note	Please use the front shutter opening at a height of 200mm.
	Please connect the exhaust duct to a sealed duct and perform independent exhaust. (We recommend a model with a low-airflow alarm).
	Please prepare an exhaust fan that has a capacity of duct pressure loss+ 650Pa or more (duct pressure loss+ 650Pa when equipped with an exhaust fan) at the specified exhaust air flow rate.
	Please have a leeway of + approx. 20 mm for the minimum install dimension.
Optional extra	Electronically ignited gas burner (with foot switch), Exhaust filter differential manometer, Automatic pipette, Vacuum pump, Aspirator, Specialized hanger pipe
	HEPA filter clogging alarm (with display and buzzer) by using a differential pressure switch, Outdoor exhaust fan (line fan), Duct components (PVC flexible type)
	Special outdoor exhaust louver