



Laminar Flow Clean Bench Bio Hazard Safety Cabinet

Product Catalog



LabTech
DAIHAN LABTECH CO., LTD
주식회사 대한랩테크

Laminar Flow Clean Bench - Benchtop Type

Economic model - Vertical / Horizontal Type

Vertical Type



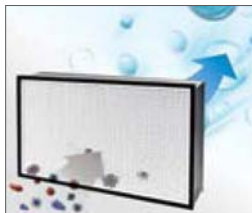
Horizontal Type



In compliance with ISO 14644-1, ISO Class 5 (Class 100) standards

2 HEPA Filter

High-efficiency particulate air filter that provides 99.99% efficiency for particle sizes of 0.3µm is installed



1 Pre-Filter

is installed to protect the HEPA filter and increase its lifetime by trapping large particles



3 Pressure Gauge

is installed as standard to check filter lifetime status



4 High Efficiency Centrifugal Blower

is installed to provide reduced noise and vibration



5 Tempered Safety Glass Door

for easy viewing inside



6 Tempered Glass Side Wall

for convenient observance (for LCB-VEW/HEW series only)



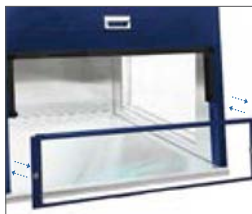
7 Stainless Steel Work Space

for easy cleaning



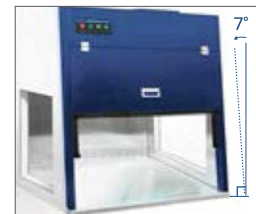
8 Acrylic Door Cover

is easily removable with magnetic catcher



9 Ergonomic Design

7° angled ergonomic structure allows easy reach and viewing while also minimizes stress on user's neck and arm



Analog Controller



- The controller enables: UV&FL lamp on/off, Fan on/off, Power on/off

Optional Accessories



Frame Type Stand with Castors

Option: Leveling feet



ULPA Filter



Arm Support

to prevent blocking of the intake grill and for better arm support



Height Adjustable Foot Rest

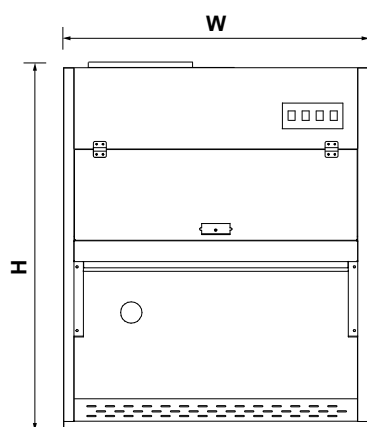
for comfortable working posture



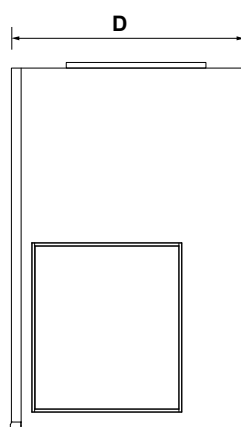
IQ/OQ Validation Documentation at Factory

* Available with the product on site only

Vertical Air Flow Type



Front View



Side View



Airflow

● Room air
● HEPA Filtered Air

MODEL	LCB-1101VE	LCB-1121VE	LCB-1151VE
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Without side viewing window

MODEL	LCB-1101VEW	LCB-1121VEW	LCB-1151VEW
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With side viewing window (392mm x 527mm)

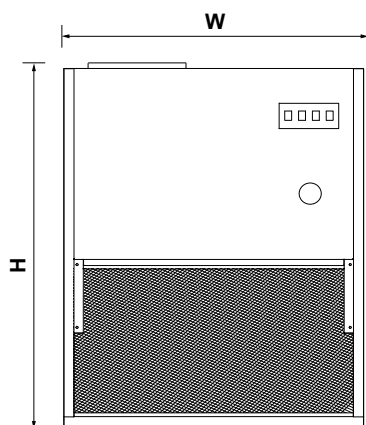
Dimensions (W×D×Hmm)	Interior	890 x 565 x 600	1190 x 565 x 600	1490 x 565 x 600
	Exterior (Closed)	950 x 635 x 1140	1250 x 635 x 1140	1550 x 635 x 1140
		890 x 235	1190 x 235	1490 x 235
	Movable Stand (Option)	950 x 630 x 750	1250 x 630 x 750	1550 x 630 x 750
	Total Dimension with Stand Option	950 x 635 x 1890	1250 x 635 x 1890	1550 x 635 x 1890
Maximum Door Opening Height		560 mm		
Working Door Opening Height		260 mm		
Controller		Main S/W, UV lamp S/W, FL lampS/W, FanS/W		
Centrifugal Blower		340~400 w	440~680 w	480~750 w
Air Volume (Approx.)		23~25 m³/min	46~50 m³/min	46~50 m³/min
Filter Type		Standard: HEPA Filter, Aluminum framed particle removal 99.99% Class 100 Option - PTFE ULPA Filter		
Prefilter		3~30 μm Particle Removal, Built-in Back panel		
Air flow		Standard Average 0.3m/sec, Range 0.28~0.36 m/sec		
Noise Sound Level		Standard < 60 dB, Range 56~65 dB(A)		
Illumination		FL Lamp 20 W x 1 EA		FL Lamp 40 W x 1 EA
UV Disinfection		UV Lamp 20 W x 1 EA		UV Lamp 40 W x 1 EA
Utility Device		1/4 pt Gas Valve, Air Valve, 110V or 220V, Electric Socket		
Material	Interior	Stainless steel grade 304 with hair lined finish		
	Exterior	Standard - Epoxy powder coated electro galvanized steel		
	Door	T. 5mm Tempered Glass Viewing Window		
Door Cover		Removable Acrilic Door Cover		
Electric Supply		110 V 60 Hz or 220 V 50/60 Hz described order		
Net Weight (Approx.)	Cabinet	127 kg	138 kg	160 kg
	Stand (Option)	23 kg	25 kg	27 kg
Shipping Dimensions (Approx.) (Cabinet only) (W×D×Hmm)		1140 x 880 x 1390	1350 x 820 x 1400	1800 x 900 x 1300
Shipping Weight (Approx.) (Cabinet only)		177 kg	192 kg	210 kg

Optional Stand	LST-1101V	LST-1121V	LST-1151V
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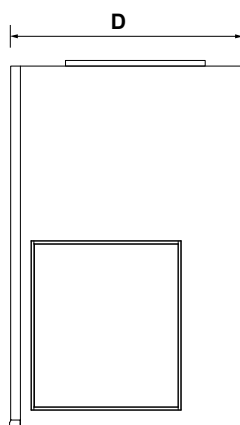
※ Specifications can be changed without prior notice for quality improvement.

※ Custom made order is available

Horizontal Air Flow Type



Front View



Side View



Airflow

● Room air
● HEPA Filtered Air

MODEL	LCB-1102HE	LCB-1122HE	LCB-1152HE
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Without side viewing window

MODEL	LCB-1102HEW	LCB-1122HEW	LCB-1152HEW
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With side viewing window (392mm x 527mm)

Dimensions (W×D×Hmm)	Interior	890 x 525 x 640	1190 x 525 x 640	1490 x 525 x 640
	Exterior (Closed)	950 x 635 x 1140	1250 x 635 x 1140	1550 x 635 x 1140
		890 x 235	1190 x 235	1490 x 235
	(Opened)	950 x 630 x 750	1250 x 630 x 750	1550 x 630 x 750
	Movable Stand (Option)	950 x 635 x 1890	1250 x 635 x 1890	1550 x 635 x 1890
Total Dimension with Stand Option				
Maximum Door Opening Height		560 mm		
Working Door Opening Height		260 mm		
Controller		Main S/W, UV lamp S/W, FL lampS/W, FanS/W		
Centrifugal Blower		340~400 w	440~680 w	480~750 w
Air Volume (Approx.)				
Filter Type		Standard: HEPA Filter, Aluminum framed particle removal 99.99% Class 100 Option - PTFE ULPA Filter		
Prefilter		3~30 μm Particle Removal, Built-in Back panel		
Air flow		Standard Average 0.3m/sec, Range 0.28~0.36 m/sec		
Noise Sound Level		Standard < 60 dB, Range 56~65 dB(A)		
Illumination		FL Lamp 20 W x 1 EA		FL Lamp 40 W x 1 EA
UV Disinfection		UV Lamp 20 W x 1 EA		UV Lamp 40 W x 1 EA
Utility Device		1/4 pt Gas Valve, Air Valve, 110V or 220V, Electric Socket		
Material	Interior	Stainless steel grade 304 with hair lined finish		
	Exterior	Standard - Epoxy powder coated electro galvanized steel		
	Door	T. 5mm Tempered Glass Viewing Window		
Door Cover		Removable Acrilic Door Cover		
Electric Supply		110 V 60 Hz or 220 V 50/60 Hz described order		
Net Weight (Approx.)	Cabinet	127 kg	138 kg	160 kg
	Stand (Option)	23 kg	25 kg	27 kg
Shipping Dimensions (Approx.) (Cabinet only) (W×D×Hmm)		1140 x 880 x 1390	1350 x 820 x 1400	1800 x 900 x 1300
Shipping Weight (Approx.) (Cabinet only)		177 kg	192 kg	210 kg

Optional Stand	LST-1102H	LST-1122H	LST-1152H
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※ Custom made order is available

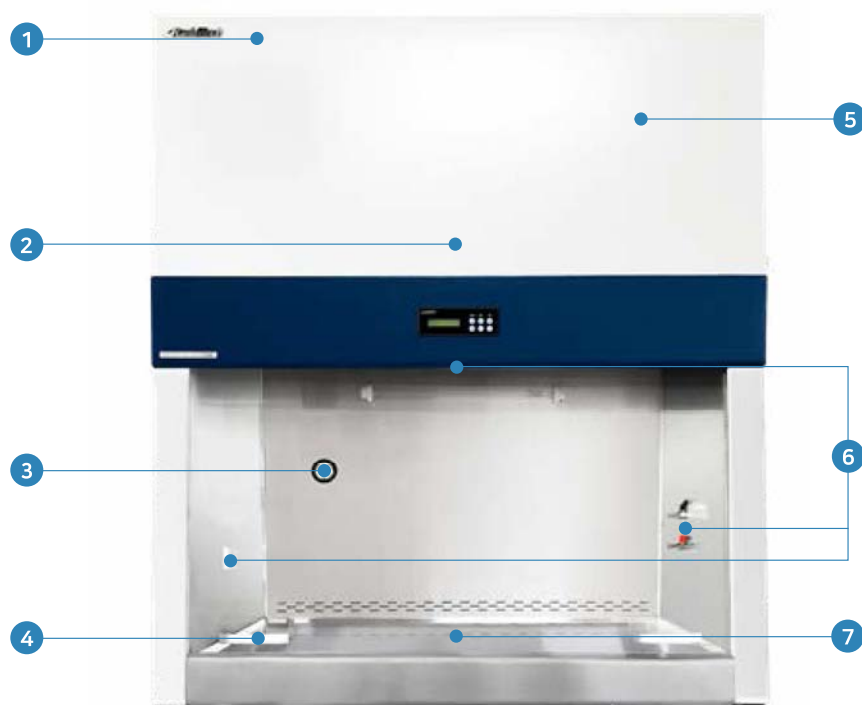
Laminar Flow Clean Bench - Benchtop Type

Vertical / Horizontal Type

Vertical Type



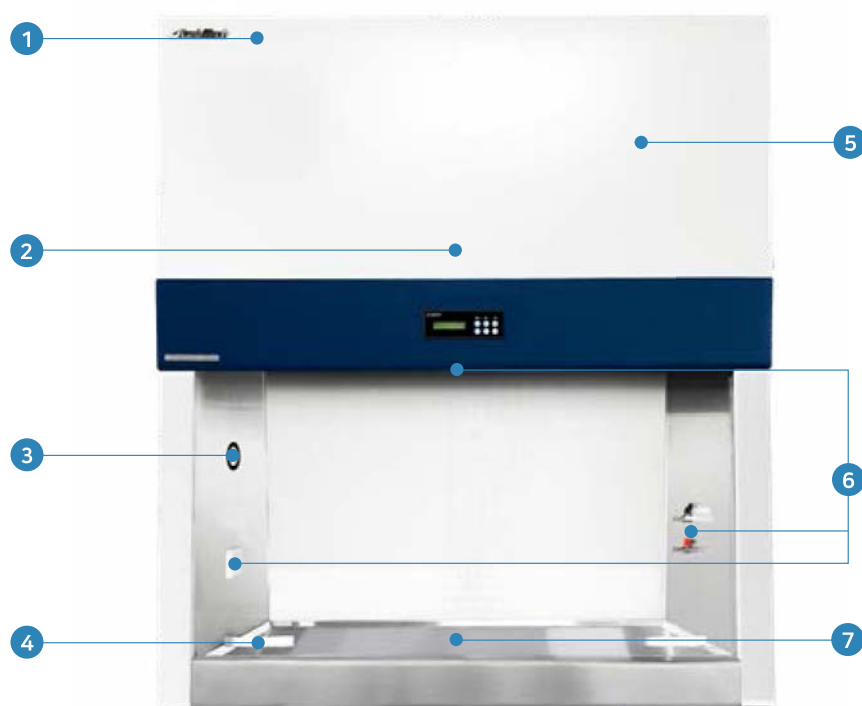
with stand option



Horizontal Type



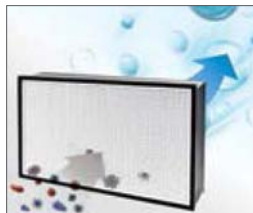
with stand option



In compliance with ISO 14644-1, ISO Class 5 (Class 100) standards

2 HEPA Filter

High-efficiency particulate air filter that provides 99.99% efficiency for particle sizes of 0.3µm is installed



1 Pre-Filter

is installed to protect the HEPA filter and increase its lifetime by trapping large particles



3 Pressure Gauge

is installed as standard to check filter lifetime status



4 Tempered Safety Glass Door

for easy viewing inside and for protecting users from UV exposure



5 High Efficiency Centrifugal Blower

is installed to provide reduced noise and vibration



6 Utility Device

includes npt 1/4 air valve, gas valve, 110V or 220V electric socket (selectable), and DOP test valve



7 Stainless Steel Single Piece Dished Work Space

for easy cleaning and to prevent contaminants

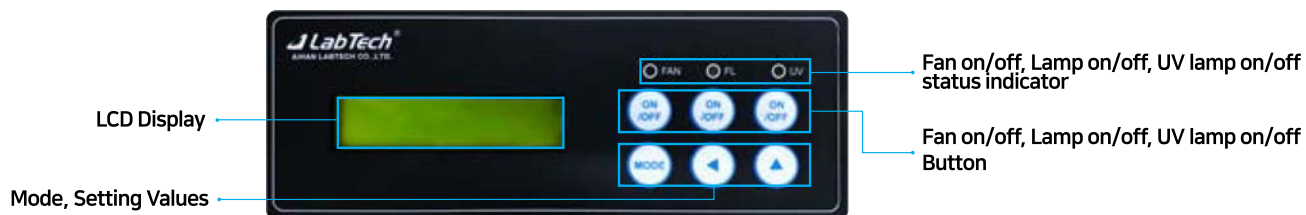


8 Ergonomic Design

7° angled ergonomic structure allows easy reach and viewing while also minimizes stress on user's neck and arm



Microprocessor Digital Controller with LCD Display



• The controller enables:

velocity setting, alarms, filter lifetime check, UV&FL lamp on/off, Fan on/off, UV lamp timer, present date and time

Optional Accessories



Base Stand with Castors

Option:
Leveling feet



ULPA Filter



Arm Support

to prevent blocking of the intake grill and for better arm support



Height Adjustable Foot Rest

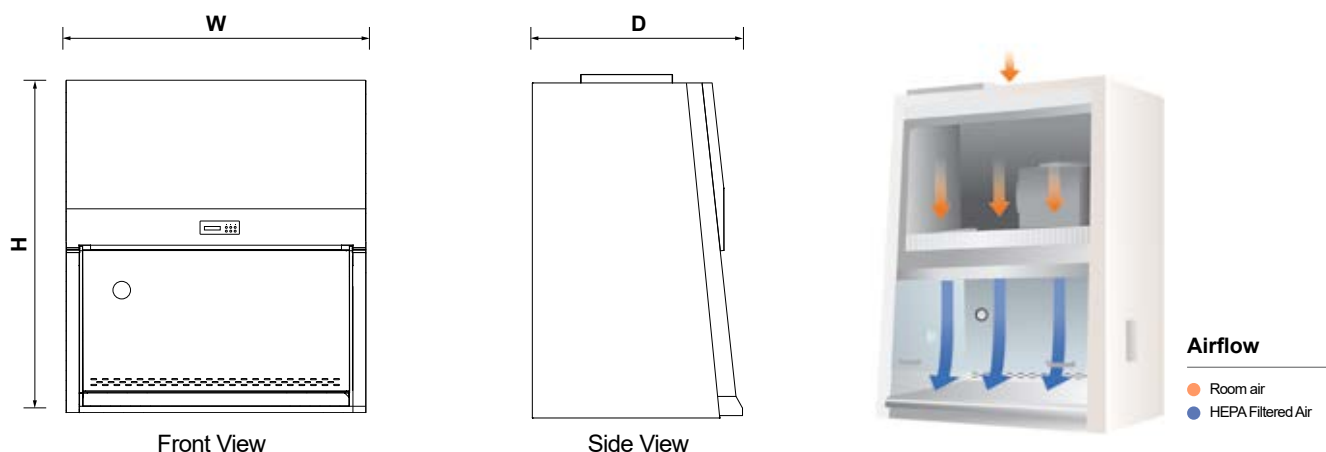
for comfortable working posture



IQ/OQ Validation Documentation at Factory

* Available with the product on site only

Vertical Air Flow Type

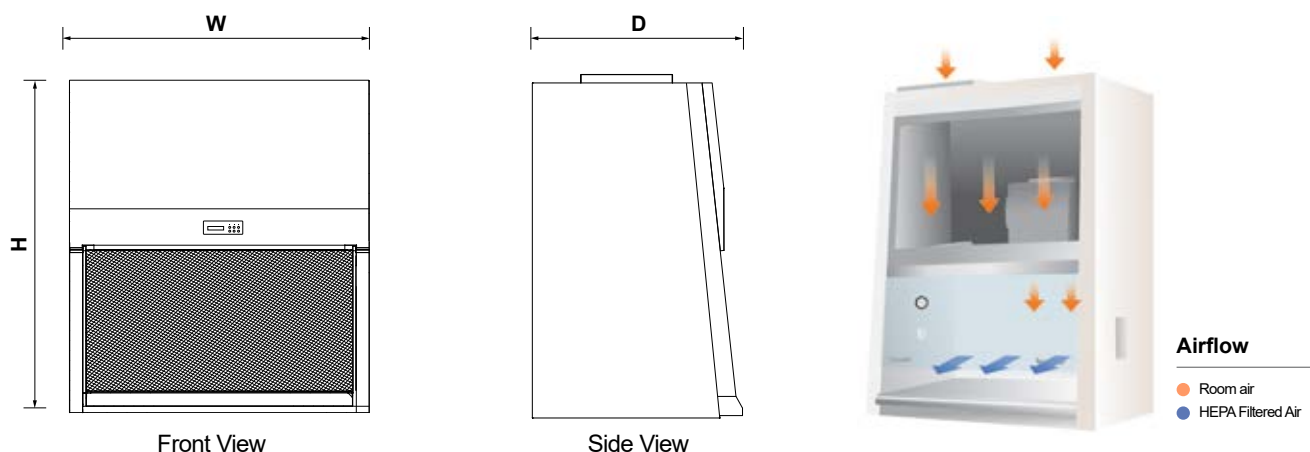


MODEL		LCB-0101V	LCB-0121V	LCB-0151V	LCB-0181V
Standard Type		Without side view window glass			
MODEL		LCB-0101VW	LCB-0121VW	LCB-0151VW	LCB-0181VW
Window Type		With both side view window glass (W: 392mm x H: 527mm x 2ea)			
Dimensions (W×D×Hmm)	Interior	900 x 620 x 680	1200 x 620 x 680	1500 x 620 x 680	1800 x 620 x 680
	Exterior	1050 x 800 x 1350	1350 x 800 x 1350	1650 x 800 x 1350	1950 x 800 x 1350
	Work Top	890 x 600	1190 x 600	1490 x 600	1790 x 600
	Movable Stand (Option)	1050 x 765 x 690	1350 x 765 x 690	1650 x 765 x 690	1950 x 765 x 690
	Total Dimension with Stand Option	1050 x 800 x 2040	1350 x 800 x 2040	1650 x 800 x 2040	1950 x 800 x 2040
Maximum Door Opening Height		540 mm			
Working Door Opening Height		200 mm			
Controller		Digital 9 stage velocity control with total using hour meter, Fan, UV/FL Lamp, on/off mode key			
Centrifugal Blower		200~260 w	300~360 w	400~520 w	400~520 w
Air Volume (Approx.)		23~25 m³/min	23~25 m³/min	46~50 m³/min	46~50 m³/min
Filter Type		Standard: HEPA Filter, Aluminum framed particle removal 99.99% 0.3µm Class 100 Option - PTFE ULPA Filter			
Prefilter		3~30 µm Particle Removal, Built-in Back panel			
Air flow		Standard Average 0.3m/sec, Range 0.28~0.36 m/sec			
Noise Sound Level		Standard < 60 dB, Range 56~65 dB(A)			
Illumination		FL Lamp 20 W x 1 EA		FL Lamp 40 W x 1 EA	
UV Disinfection		UV Lamp 20 W x 1 EA		UV Lamp 40 W x 1 EA	
Utility Device		npt 1/4 Air/Gas Valve, Vaccum Valve, 110 V or 220 V Electric Socket(selectable), PAO test Valve			
Material	Interior	Stainless steel grade 304 with hair lined finish			
	Exterior	Standard - Epoxy powder coated electro galvanized steel Option - Stainless steel grade 304			
	Door	Slope 7° T. 5mm tempered safety glass sliding door with plastic guided frame			
Electric Supply		110 V 60 Hz or 220 V 50/60 Hz described order			
Net Weight (Approx.)	Cabinet	160 kg	190 kg	220 kg	280 kg
	Stand (Option)	22 kg	29 kg	35 kg	40 kg
Shipping Dimensions (Approx.) (Cabinet only) (W×D×Hmm)		1120 x 920 x 1650	1460 x 920 x 1650	1780 x 920 x 1650	2070 x 920 x 1650
Shipping Weight (Approx.) (Cabinet only)		205 kg	240 kg	280 kg	320 kg
Optional Stand		LST-0101V	LST-0121V	LST-0151V	LST-0181V

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※ Custom made order is available

Horizontal Air Flow Type



MODEL		LCB-0102H	LCB-0122H	LCB-0152H	LCB-0182H
Standard Type		Without side view window glass			
MODEL		LCB-0102HW	LCB-0122HW	LCB-0152HW	LCB-0182HW
Window Type		With both side view window glass (W: 392mm x H: 527mm x 2ea)			
Dimensions (W×D×Hmm)	Interior	900 x 545 x 680	1200 x 545 x 680	1500 x 545 x 680	1800 x 545 x 680
	Exterior	1050 x 800 x 1350	1350 x 800 x 1350	1650 x 800 x 1350	1950 x 800 x 1350
	Work Top	890 x 520	1190 x 520	1490 x 520	1790 x 520
	Movable Stand (Option)	1050 x 765 x 690	1350 x 765 x 690	1650 x 765 x 690	1950 x 765 x 690
	Total Dimension with Stand Option	1050 x 800 x 2040	1350 x 800 x 2040	1650 x 800 x 2040	1950 x 800 x 2040
Maximum Door Opening Height		540 mm			
Working Door Opening Height		200 mm			
Controller		Digital 9 stage velocity control with total using hour meter, Fan, UV/FL Lamp, on/off mode key			
Centrifugal Blower		200~260 w	300~360 w	400~520 w	400~520 w
Air Volume (Approx.)		23~25 m³/min	23~25 m³/min	46~50 m³/min	46~50 m³/min
Filter Type		Standard: HEPA Filter, Aluminum framed particle removal 99.99% 0.3µm Class 100 Option - PTFE ULPA Filter			
Prefilter		3~30 µm Particle Removal, Built-in Back panel			
Air flow		Standard Average 0.3m/sec, Range 0.28~0.36 m/sec			
Noise Sound Level		Standard < 60 dB, Range 56~65 dB(A)			
Illumination		FL Lamp 20 W x 1 EA		FL Lamp 40 W x 1 EA	
UV Disinfection		UV Lamp 20 W x 1 EA		UV Lamp 40 W x 1 EA	
Utility Device		npt 1/4 Air/Gas Valve, Vaccum Valve, 110 V or 220 V Electric Socket(selectable), PAO test Valve			
Material	Interior	Stainless steel grade 304 with hair lined finish			
	Exterior	Standard - Epoxy powder coated electro galvanized steel Option - Stainless steel grade 304			
	Door	Slope 7° T. 5mm tempered safety glass sliding door with plastic guided frame			
Electric Supply		110 V 60 Hz or 220 V 50/60 Hz described order			
Net Weight (Approx.)	Cabinet	160 kg	190 kg	220 kg	280 kg
	Stand (Option)	22 kg	29 kg	35 kg	40 kg
Shipping Dimensions (Approx.) (Cabinet only) (W×D×Hmm)		1120 x 920 x 1650	1460 x 920 x 1650	1780 x 920 x 1650	2070 x 920 x 1650
Shipping Weight (Approx.) (Cabinet only)		205 kg	240 kg	280 kg	320 kg
Optional Stand		LST-0102H	LST-0122H	LST-0152H	LST-0182H

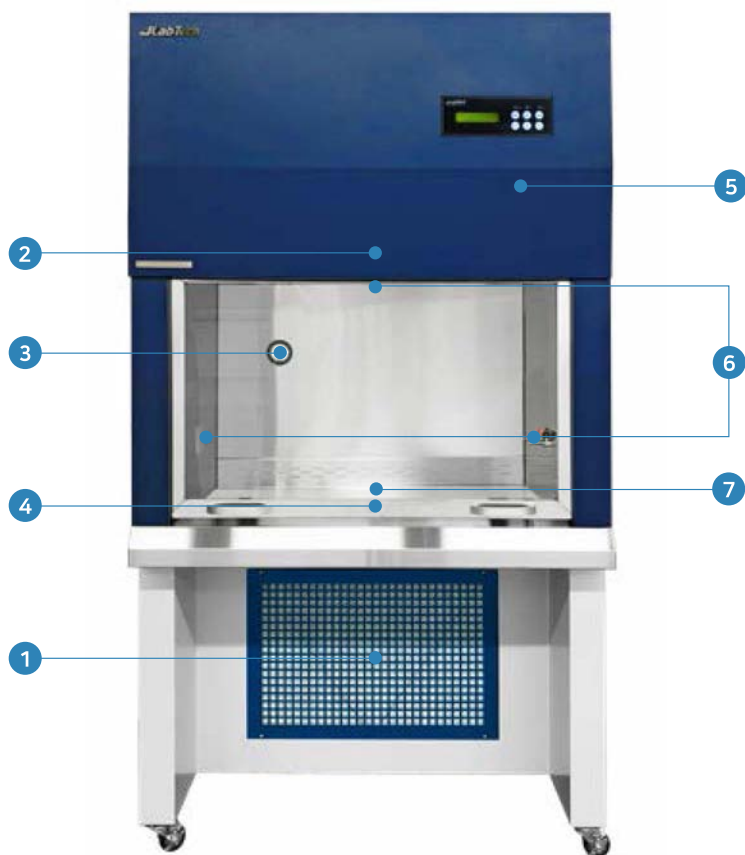
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※ Custom made order is available

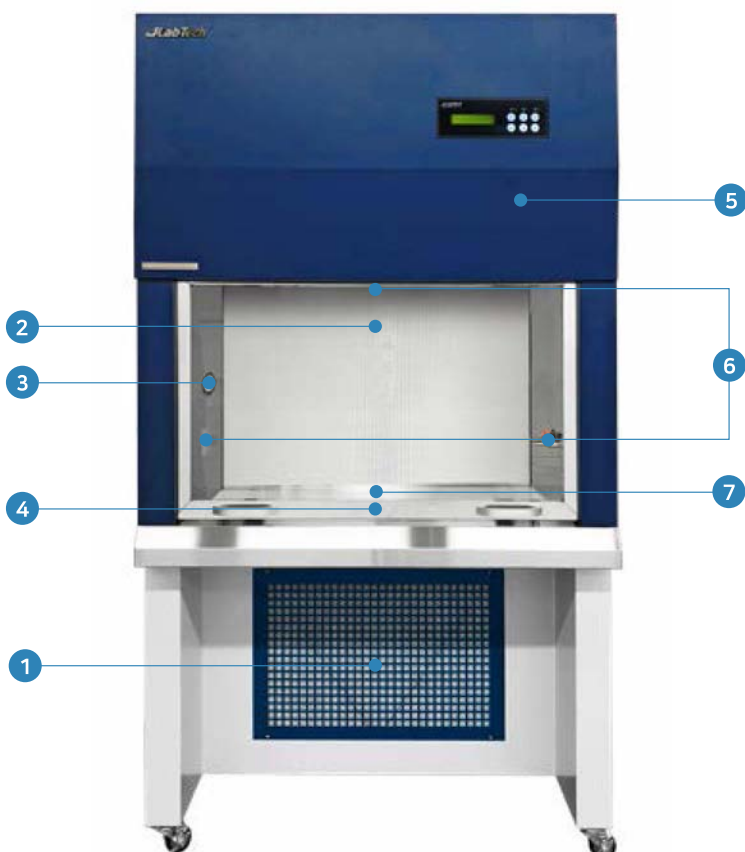
Laminar Flow Clean Bench - Floor Standing Type

Vertical / Horizontal Type

Vertical Type



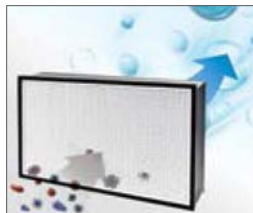
Horizontal Type



In compliance with ISO 14644-1, ISO Class 5 (Class 100) standards

2 HEPA Filter

High-efficiency particulate air filter that provides 99.99% efficiency for particle sizes of 0.3µm is installed



1 Pre-Filter

is installed to protect the HEPA filter and increase its lifetime by trapping large particles



3 Pressure Gauge

is installed as standard to check filter lifetime status



4 Tempered Safety Glass Door

for easy viewing inside and for protecting users from UV exposure



5 High Efficiency Centrifugal Blower

is installed to provide reduced noise and vibration



6 Utility Device

includes npt 1/4 air valve, gas valve, 110V or 220V electric socket (selectable), and DOP test valve



7 Stainless Steel Work Space

for easy cleaning



Microprocessor Digital Controller with LCD Display



• The controller enables:

velocity setting, alarms, filter lifetime check, UV&FL lamp on/off, Fan on/off, UV lamp timer, present date and time

Optional Accessories



ULPA Filter



Arm Support

to prevent blocking of the intake grill and for better arm support



Height Adjustable Foot Rest

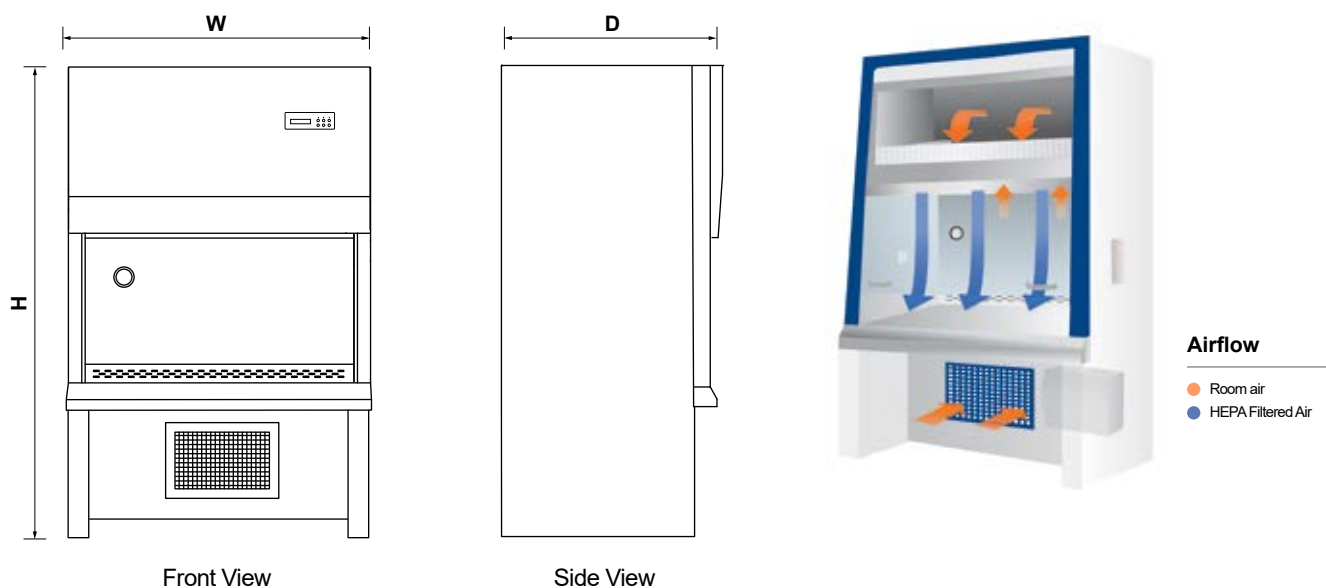
for comfortable working posture



IQ/OQ Validation Documentation at Factory

* Available with the product on site only

Vertical Air Flow Type

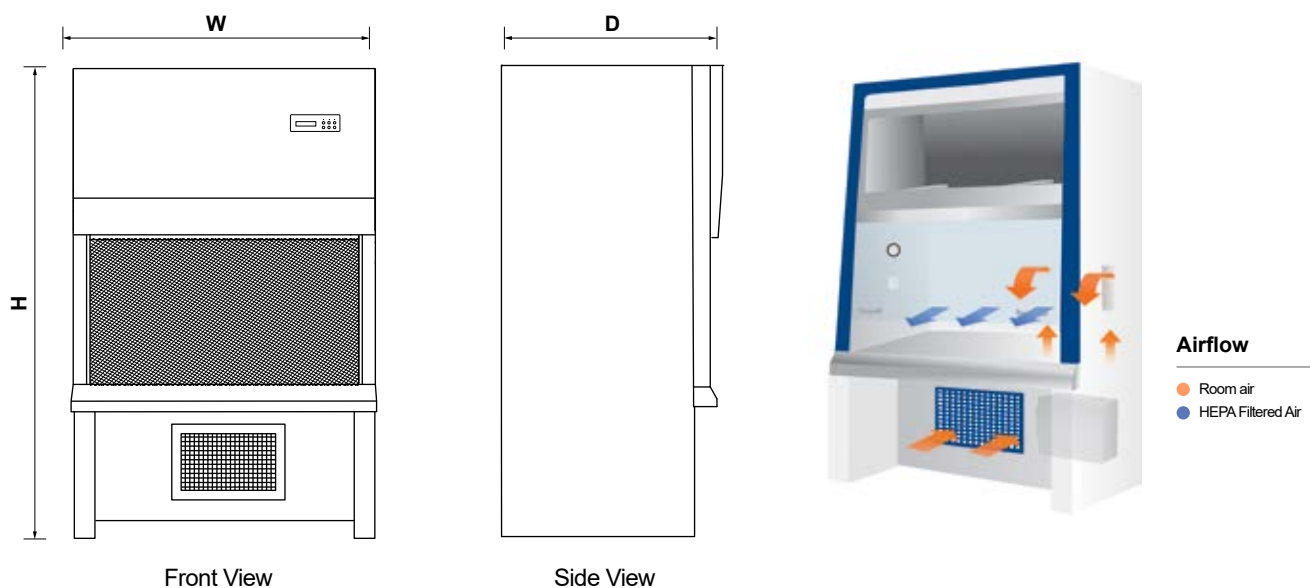


MODEL		LCB-901V	LCB-1201V	LCB-1501V	LCB-1801V
		Vertical Air Flow Type			
Dimensions (W×D×Hmm)	Interior	890 x 550 x 650	1200 x 550 x 650	1500 x 550 x 650	1800 x 550 x 650
	Exterior	1050 x 800 x 1880	1350 x 800 x 1880	1650 x 800 x 1880	1950 x 800 x 1880
	Work Top	890 x 600	1190 x 600	1490 x 600	1790 x 600
Maximum Door Opening Height		540 mm			
Working Door Opening Height		200 mm			
Controller		Digital 9 stage velocity control with total using hour meter, Fan, UV/FL Lamp, on/off mode key			
Centrifugal Blower		200~260 w	300~360 w	400~520 w	400~520 w
Air Volume (Approx.)		980 m³/h	1350 m³/h	1700 m³/h	2030 m³/h
Filter Type		Standard: HEPA Filter, Aluminum framed particle removal 99.99% Class5 (Class 100) Option - PTFE ULPA Filter			
Prefilter		3~30 μm Particle Removal, Built-in Back panel			
Air flow		Standard Average 0.3m/sec, Range 0.28~0.36 m/sec			
Noise Sound Level		56~60 dB			
Illumination		FL Lamp 20 W x 1 EA		FL Lamp 40 W x 1 EA	
UV Disinfection		UV Lamp 20 W x 1 EA		UV Lamp 40 W x 1 EA	
Utility Device		npt 1/4 Air/Gas Valve, 110 V or 220 V Electric Socket(selectable)			
Material	Interior	Stainless steel grade 304 with hair lined finish			
	Exterior	Standard - Epoxy powder coated electro galvanized steel Option - Stainless steel grade 304			
	Door	T. 5mm tempered safety glass sliding door			
Electric Supply		110 V 60 Hz or 220 V 50/60 Hz described order			
Net Weight (Approx.)		200 kg	250 kg	285 kg	330 kg
Shipping Dimensions (Approx.) (W×D×Hmm)		1150 x 900 x 2000	1450 x 900 x 1950	1750 x 930 x 1950	2050 x 900 x 1950
Shipping Weight (Approx.)		215 kg	265 kg	305 kg	350 kg

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※ Custom made order is available

Horizontal Air Flow Type



MODEL		LCB-902H	LCB-1202H	LCB-1502H	LCB-1802H
		Horizontal Air Flow Type			
Dimensions (W×D×Hmm)	Interior	890 x 550 x 650	1200 x 550 x 650	1500 x 550 x 650	1800 x 550 x 650
	Exterior	1050 x 800 x 1880	1350 x 800 x 1880	1650 x 800 x 1880	1950 x 800 x 1880
	Work Top	890 x 600	1190 x 600	1490 x 600	1790 x 600
Maximum Door Opening Height		540 mm			
Working Door Opening Height		200 mm			
Controller		Digital 9 stage velocity control with total using hour meter, Fan, UV/FL Lamp, on/off mode key			
Centrifugal Blower		200~260 w	300~360 w	400~520 w	400~520 w
Air Volume (Approx.)		980 m³/h	1350 m³/h	1700 m³/h	2030 m³/h
Filter Type		Standard: HEPA Filter, Aluminum framed particle removal 99.99% Class5 (Class 100) Option - PTFE ULPA Filter			
Prefilter		3~30 μm Particle Removal, Built-in Back panel			
Air flow		Standard Average 0.3m/sec, Range 0.28~0.36 m/sec			
Noise Sound Level		56~60 dB			
Illumination		FL Lamp 20 W x 1 EA		FL Lamp 40 W x 1 EA	
UV Disinfection		UV Lamp 20 W x 1 EA		UV Lamp 40 W x 1 EA	
Utility Device		npt 1/4 Air/Gas Valve, 110 V or 220 V Electric Socket(selectable)			
Material	Interior	Stainless steel grade 304 with hair lined finish			
	Exterior	Standard - Epoxy powder coated electro galvanized steel Option - Stainless steel grade 304			
	Door	T. 5mm tempered safety glass sliding door			
Electric Supply		110 V 60 Hz or 220 V 50/60 Hz described order			
Net Weight (Approx.)		200 kg	245 kg	285 kg	330 kg
Shipping Dimensions (Approx.) (W×D×Hmm)		1150 x 1000 x 1950	1450 x 1000 x 2000	1780 x 900 x 1950	2020 x 900 x 2000
Shipping Weight (Approx.)		225 kg	265 kg	310 kg	350 kg

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※ Custom made order is available

Biohazard Safety Cabinet - Benchtop Type

Compliance with KS J 0012:2005, ISO 14644-1, EN 12469 and NSF 49 type-tested, EN 61010-1



with stand option



Class II Type A2

30% Exhaust



70% of the air is recirculated and 30% of the air is exhausted

Airflow

- Room air
- ULPA Filtered Air
- Unfiltered/Potentially Contaminated Air

Class II Type B2

100% Exhaust



100% of the air is exhausted

※ External blower should be separately installed for 100% exhaust.

Airflow

- Room air
- ULPA Filtered Air
- Unfiltered/Potentially Contaminated Air

In Compliance with KS J 0012:2005, ISO 14644-1, EN 12469 and NSF 49 type-tested, EN 61010-1, ISO Class 5 (Class 100) standards

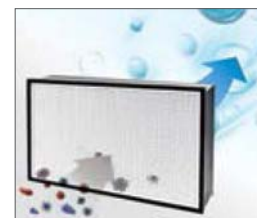
2 Pressure Gauge

is installed as standard to check filter lifetime status



1 ULPA Filters

that provide 99.999% efficiency for particle sizes of 0.3µm are installed for both supply and exhaust filters



3 Tempered Safety Glass Door with Safety Alarm

in case the door is opened above the proper height



4 High Efficiency Dual Inlet Blower

is installed to provide reduced noise and vibration



5 Utility Device

includes npt 1/4 air valve, gas valve, 110V or 220V electric socket (selectable), DOP test valve, UV lamps and FL lamps are installed as standard



6 Stainless Steel Single Piece Dished Work Space

for easy cleaning and to prevent contaminants



7 Arm Rest

Provides comfortable user working posture



8 Paper Catch

is installed as standard



9 Ergonomic Design

7° angled ergonomic structure allows easy reach and viewing while also minimizes stress on user's neck and arm



Microprocessor Digital Controller with LCD Display



The controller enables:

velocity setting, alarms, filter lifetime check, UV&FL lamp on/off, UV lamp timer, room temperature, present date and time

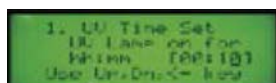
Control Function



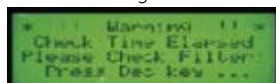
MODE



MODE



UV time setting



Alarm for Filter



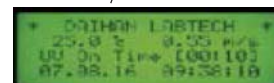
Alarm for Air Velocity



Alarm for Door Open

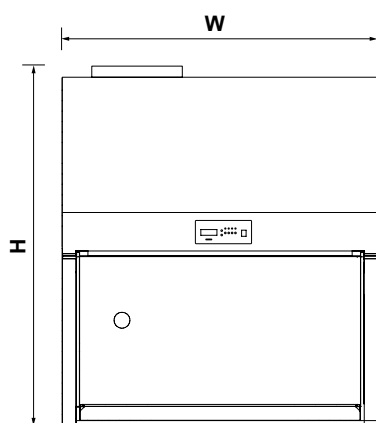


Air Velocity Set

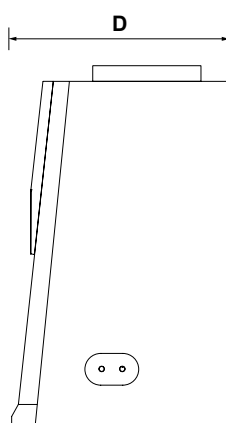


Display for Working

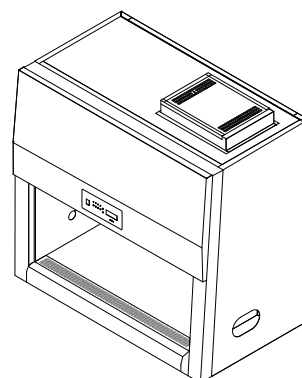
Class II Type A2



Front View



Side View



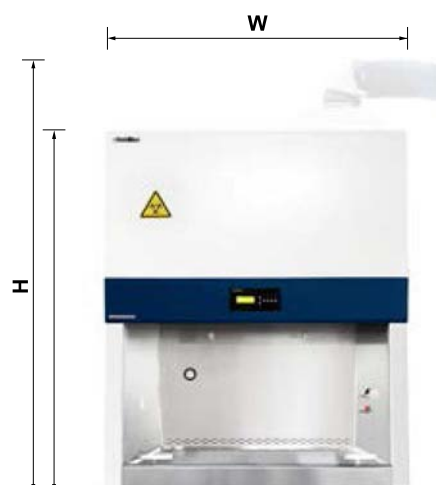
MODEL		LCB-0103B-A2	LCB-0123B-A2	LCB-0153B-A2	LCB-0183B-A2
Dimensions (W×D×Hmm)	Interior	900 x 620 x 680	1200 x 620 x 680	1500 x 620 x 680	1800 x 620 x 680
	Exterior	1050 x 800 x 1500	1350 x 800 x 1500	1650 x 800 x 1500	1950 x 800 x 1500
	Work top	890 x 520	1190 x 520	1490 x 520	1790 x 520
	Movable Stand (Option)	1050 x 765 x 690	1350 x 765 x 690	1650 x 765 x 690	1950 x 765 x 690
	Total Dimension with Stand Option	1050 x 800 x 2190	1350 x 800 x 2190	1650 x 800 x 2190	1950 x 800 x 2190
Maximum Door Opening Height		540 mm			
Working Door Opening Height		200 mm			
Controller		Microprocessor Controller with Air velocity set, Low air speed alarm, Record working time and date set, Temperature monitoring, UV & FL Lamp operation			
Double Inlet Centrifugal Blower		340~400 w	440~680 w	480~750 w	680~800 w
Air Volume (Approx.)		34 m³/min	50 m³/min	57 m³/min	68 m³/min
Filter Type		Standard: ULPA U15 Filter, Aluminum framed particle removal 99.9999% ISO Class 3, Class 10 Option - PTFE ULPA Filter			
Air flow	Downflow	Standard average 0.3 m/sec, Range 0.25~0.35 m/sec			
	Inflow	Standard average 0.5 m/sec, Range 0.45~0.65 m/sec			
Noise Sound Level		Standard < 60 dB, Range 56~65 dB(A)			
Illumination		FL Lamp 20 W x 1 EA		FL Lamp 40 W x 1 EA	
UV Disinfection		UV Lamp 20 W x 1 EA		UV Lamp 40 W x 1 EA	
Utility Device		npt 1/4 Air/Gas Valve, Vaccum Valve, 110 V or 220 V Electric Socket(selectable), PAO test Valve			
Material	Interior	Stainless steel grade 304 with hair lined finish			
	Exterior	Standard - Epoxy powder coated electro galvanized steel Option - Stainless steel grade 304			
	Door	Slope 7° T. 5mm tempered safety glass sliding door			
Electric Supply		110 V 60 Hz or 220 V 50/60 Hz described order			
Net Weight (Approx.)	Cabinet	160 kg	190 kg	220 kg	280 kg
	Stand (Option)	22 kg	29 kg	35 kg	40 kg
Shipping Dimensions (Approx.) (Cabinet only) (W×D×Hmm)		1120 x 920 x 1650	1460 x 920 x 1650	1780 x 920 x 1650	2070 x 920 x 1650
Shipping Weight (Approx.) (Cabinet only)		205 kg	240 kg	280 kg	320 kg

Optional Stand	LST-0103	LST-0123	LST-0153	LST-0183
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※ Specifications can be changed without prior notice for quality improvement.

※ Custom made order is available

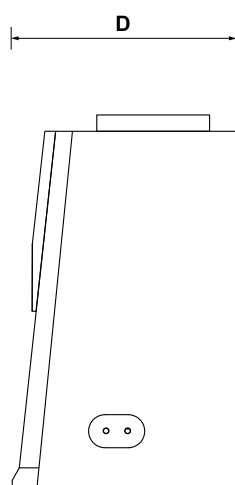
Class II Type B2



LCB-0123B-B2

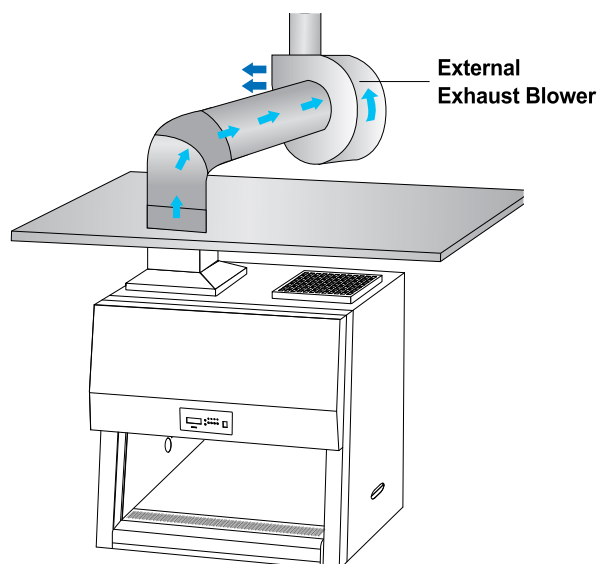
※ Canopy is provided as standard for B2 type

Front View



Side View

Recommended B2 Cabinet Installation



※ Exhaust Blower installation at the terminal end should be installed.

MODEL		LCB-0103B-B2	LCB-0123B-B2	LCB-0153B-B2	LCB-0183B-B2
Dimensions (W×D×Hmm)	Interior	900 x 620 x 680	1200 x 620 x 680	1500 x 620 x 680	1800 x 620 x 680
	Exterior	1050 x 800 x 1700	1350 x 800 x 1700	1650 x 800 x 1700	1950 x 800 x 1700
	Work top	890 x 520	1190 x 520	1490 x 520	1790 x 520
	Movable Stand (Option)	1050 x 765 x 690	1350 x 765 x 690	1650 x 765 x 690	1950 x 765 x 690
	Total Dimension with Stand Option	1050 x 800 x 2190	1350 x 800 x 2190	1650 x 800 x 2190	1950 x 800 x 2190
Maximum Door Opening Height		540 mm			
Working Door Opening Height		200 mm			
Controller		Microprocessor Controller with Air velocity set, Low air speed alarm, Record working time and date set, Temperature monitoring, UV & FL Lamp operation			
Double Inlet Centrifugal Blower		340~400 w	440~680 w	480~750 w	680~800 w
Air Volume (Approx.)		34 m³/min	50 m³/min	57 m³/min	68 m³/min
Filter Type		Standard: ULPA U15 Filter, Aluminum framed particle removal 99.9999% ISO Class 3, Class 10 HEPA Filter & Prefilter Option - PTFE ULPA Filter			
Prefilter		3~30 μm Particle Removal, Built-in Back panel			
Air flow	Downflow	Standard average 0.3 m/sec, Range 0.25~0.35 m/sec			
	Inflow	Standard average 0.5 m/sec, Range 0.45~0.65 m/sec			
Noise Sound Level		Standard < 60 dB, Range 56~65 dB(A)			
Illumination		FL Lamp 20 W x 1 EA		FL Lamp 40 W x 1 EA	
UV Disinfection		UV Lamp 20 W x 1 EA		UV Lamp 40 W x 1 EA	
Utility Device		npt 1/4 Air/Gas Valve, Vaccum Valve, 110 V or 220 V Electric Socket(selectable), PAO test Valve			
Material	Interior	Stainless steel grade 304 with hair lined finish			
	Exterior	Standard - Epoxy powder coated electro galvanized steel Option - Stainless steel grade 304			
	Door	Slope 7° T. 5mm tempered safety glass sliding door			
Electric Supply		110 V 60 Hz or 220 V 50/60 Hz described order			
Net Weight (Approx.)	Cabinet	160 kg	190 kg	220 kg	280 kg
	Stand (Option)	22 kg	29 kg	35 kg	40 kg
Shipping Dimensions (Approx.) (Cabinet only) (W×D×Hmm)		1120 x 920 x 1650	1460 x 920 x 1650	1780 x 920 x 1650	2070 x 920 x 1650
Shipping Weight (Approx.) (Cabinet only)		205 kg	240 kg	280 kg	320 kg
Optional Stand		LST-0103	LST-0123	LST-0153	LST-0183

※ Specifications can be changed without prior notice for quality improvement.

※ Custom made order is available

Optional Accessories



Base Stand with Castors

Option:
Leveling feet
Electric Sockets



Tempered Glass Side Wall

for convenient
observance



Exhaust Air-Break Canopy Transition

to connect with
the duct
(for A2 type only)



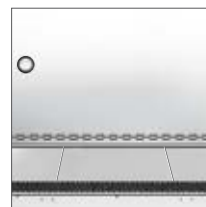
Arm Support

to prevent blocking
of the intake grill and
for better arm
support



Height Adjustable Foot Rest

for comfortable
working posture



3 Pieces Work Space

for easy sterilization
in sterilizers
/autoclaves



Motorized Up&Down Door



IQ/OQ Validation Documentation at Factory

* Available with
the product
on site only

Motorized Up&Down Door



Biohazard Safety Cabinet - Floor Standing Type

Compliance with KS J 0012:2005, ISO 14644-1, EN 12469 and NSF 49 type-tested, EN 61010-1



Class II Type A2

30% Exhaust



70% of the air is recirculated and 30% of the air is exhausted

Airflow

- Room air
- HEPA Filtered Air
- Unfiltered/Potentially Contaminated Air

Class II Type B2

100% Exhaust



100% of the air is exhausted

Airflow

- Room air
- HEPA Filtered Air
- Unfiltered/Potentially Contaminated Air

In Compliance with KS J 0012:2005, ISO 14644-1, EN 12469 and NSF 49 type-tested, EN 61010-1, ISO Class 5 (Class 100) standards

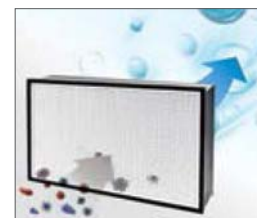
2 Pressure Gauge

is installed as standard to check filter lifetime status



1 ULPA Filters

that provide 99.999% efficiency for particle sizes of 0.3µm are installed for both supply and exhaust filters



3 Tempered Safety Glass Door with Safety Alarm

in case the door is opened above the proper height



4 High Efficiency Dual Inlet Blower

is installed to provide reduced noise and vibration



5 Utility Device

includes npt 1/4 air valve, gas valve, 110V or 220V electric socket (selectable), DOP test valve, UV lamps and FL lamps are installed as standard



6 Stainless Steel Single Piece Dished Work Space

for easy cleaning and to prevent contaminants



7 Arm Rest

Provides comfortable user working posture



8 Paper Catch

is installed as standard



Microprocessor Digital Controller with LCD Display



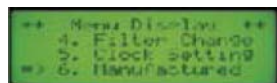
• The controller enables:

velocity setting, alarms, filter lifetime check, UV&FL lamp on/off, UV lamp timer, room temperature, present date and time

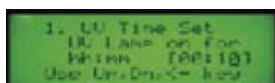
Control Function



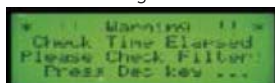
MODE



MODE



UV time setting



Alarm for Filter



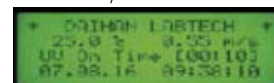
Alarm for Air Velocity



Alarm for Door Open

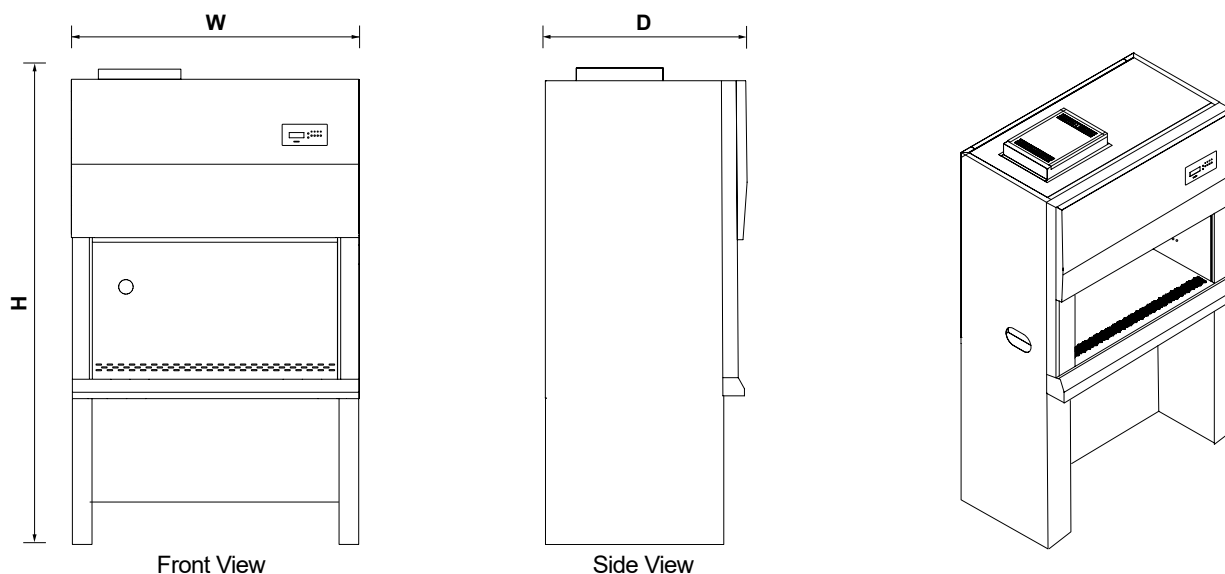


Air Velocity Set



Display for Working

Class II Type A2

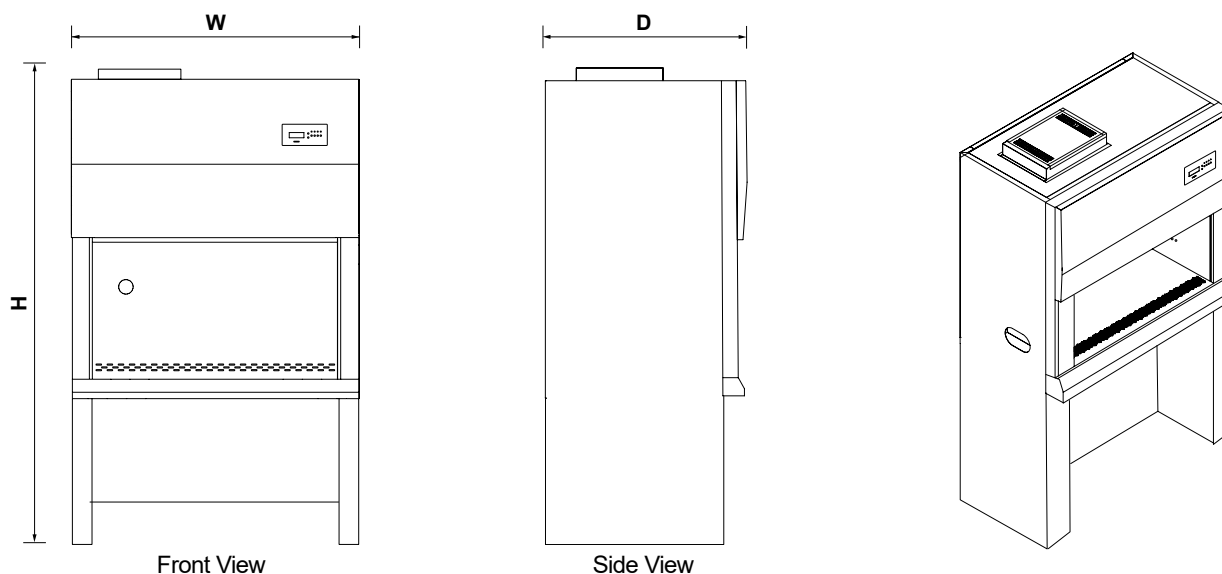


MODEL		LCB-903B-A2	LCB-1203B-A2	LCB-1503B-A2	LCB-1803B-A2
Dimensions (W×D×Hmm)	Interior	890 x 600 x 635	1190 x 600 x 635	1490 x 600 x 635	1790 x 600 x 635
	Exterior	1050 x 800 x 1880	1350 x 800 x 1880	1650 x 800 x 1880	1950 x 800 x 1880
Maximum Door Opening Height		540 mm			
Working Door Opening Height		200 mm			
Controller		Microprocessor Controller with Air velocity set, Low air speed alarm, Record working time and date set, Temperature monitoring, UV & FL Lamp operation			
Double Inlet Centrifugal Blower		340~400 w	440~680 w	480~750 w	680~800 w
Air Volume (Approx.)		34 m³/min	50 m³/min	57 m³/min	68 m³/min
Filter Type		Standard: ULPA U15 Filter, Aluminum framed particle removal 99.9999% ISO Class 3, Class 10 Option - PTFE ULPA Filter			
Air flow	Downflow	Standard average 0.3 m/sec, Range 0.25~0.35 m/sec			
	Inflow	Standard average 0.5 m/sec, Range 0.45~0.65 m/sec			
Noise Sound Level		Standard < 60 dB, Range 56~65 dB(A)			
Illumination		FL Lamp 20 W x 1 EA		FL Lamp 40 W x 1 EA	
UV Disinfection		UV Lamp 20 W x 1 EA		UV Lamp 40 W x 1 EA	
Utility Device		npt 1/4 Air/Gas Valve, Vaccum Valve, 110 V or 220 V Electric Socket(selectable), PAO test Valve			
Material	Interior	Stainless steel grade 304 with hair lined finish			
	Exterior	Standard - Epoxy powder coated electro galvanized steel Option - Stainless steel grade 304			
	Door	T. 5mm tempered safety glass sliding door			
Electric Supply		110 V 60 Hz or 220 V 50/60 Hz described order			
Net Weight (Approx.)		220 kg	250 kg	290 kg	330 kg
Shipping Dimensions (Approx.) (W×D×Hmm)		1900 x 1100 x 2030	1450 x 900 x 2000	1750 x 900 x 2000	2100 x 900 x 2100
Shipping Weight (Approx.)		245 kg	275 kg	320 kg	350 kg

※ Specifications can be changed without prior notice for quality improvement.

※ Custom made order is available

Class II Type B2



MODEL		LCB-903B-B2	LCB-1203B-B2	LCB-1503B-B2
Dimensions (W×D×Hmm)	Interior	890 x 620 x 635	1190 x 620 x 635	1490 x 620 x 635
	Exterior	1050 x 1000 x 2050	1350 x 1000 x 2050	1650 x 1000 x 2050
Maximum Door Opening Height		540 mm		
Working Door Opening Height		200 mm		
Controller		Microprocessor Controller with Air velocity set, Low air speed alarm, Record working time and date set, Temperature monitoring, UV & FL Lamp operation		
Centrifugal Blower		340~400 w	440~680 w	480~750 w
Air Volume (Approx.)		34 m ³ /min	50 m ³ /min	57 m ³ /min
Filter Type		Standard: ULPA U15 Filter, Aluminum framed particle removal 99.9999% ISO Class 3, Class 10 HEPA Filter & Prefilter Option - PTFE ULPA Filter		
Prefilter		3~30 μm Particle Removal, Built-in Back panel		
Air flow	Downflow	Standard average 0.3 m/sec, Range 0.25~0.35 m/sec		
	Inflow	Standard average 0.5 m/sec, Range 0.45~0.65 m/sec		
Noise Sound Level		Standard < 60 dB, Range 56~65 dB(A)		
Illumination		FL Lamp 20 W x 1 EA		FL Lamp 40 W x 1 EA
UV Disinfection		UV Lamp 20 W x 1 EA		UV Lamp 40 W x 1 EA
Utility Device		npt 1/4 Air/Gas Valve, Vacuum Valve, 110 V or 220 V Electric Socket(selectable), PAO test Valve		
Material	Interior	Stainless steel grade 304 with hair lined finish		
	Exterior	Standard - Epoxy powder coated electro galvanized steel Option - Stainless steel grade 304		
	Door	T. 5mm tempered safety glass sliding door		
Electric Supply		110 V 60 Hz or 220 V 50/60 Hz described order		
Net Weight (Approx.)		290 kg	340 kg	360 kg
Shipping Dimensions (Approx.) (W×D×Hmm)		1150 x 1100 x 2100	1450 x 1050 x 2120	1750 x 900 x 2100
Shipping Weight (Approx.)		310 kg	355 kg	380 kg

※ Specifications can be changed without prior notice for quality improvement.

※ Custom made order is available

Optional Accessories



Tempered Glass Side Wall
for convenient observance



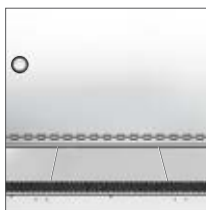
Exhaust Air-Break Canopy Transition
to connect with the duct



Arm Support
to prevent blocking of the intake grill and for better arm support



Height Adjustable Foot Rest
for comfortable working posture



3 Pieces Work Space
for easy sterilization in sterilizers /autoclaves



Motorized Up&Down Front Door



IQ/OQ Validation Documentation at Factory

* Available with the product on site only

IQ/OQ Validation

Our experienced validation engineers perform Installation Qualification (IQ) and Operational Qualification (OQ)



1 Filter Integrity Test To check for cleanliness and safety of the filters	Airflow Smoke Pattern Test (PAO Test) To check the airflow is downward without flowing backwards or leakage	2 Downflow & Inflow Velocity Test To check if the air is supplied uniformly and stably	3 Lighting Intensity Test To check the lighting inside the cabinet is in proper range
4 Vibration Test To check the vibration of the cabinet during operation is in proper range	5 Particle Count Test To check whether the cabinet maintains proper cleanliness pertinent to the standards	6 Noise Level Test To check for proper noise level during operation	



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