

HORIZONTAL LAMINAR AIR FLOW



HORIZONTAL LAMINAR AIR FLOW

They are designed to provide a clean air environment for research operation which required complete anti-bacterial working area. Small size saves precious laboratory space and maintains constant positive pressure inside the cabinet which prevents intake of contaminated air. Used in Bioscience, Pharmaceuticals, Aerospace, Food processing, Medical research Laboratories, Hospitals, Research.

Also known as Horizontal Laminar Air, Clean Bench, Laboratory Laminar Flow, Laboratory Laminar Air Flow, Laminar Flow Cabinet, Tissue Culture Hood, Laminar Air Flow Cabinet, Minimal-Turbulence Air Flow, Laminar Flow Hood, Laminar Flow.

LH31 SERIES HORIZONTAL LAMINAR AIR FLOW

- LCD Display: airflow velocity, UV timer, ultraviolet illumination period of time, system work time, real time.
- Waterproof Socket: 2 waterproof sockets are located in the side panel, for optimum convenience of using small devices inside the cabinet.
- Gas Tap
- UV Lamp: Emission of 253.7nanometers for most efficient decontamination
- Side Glass Window: The transparent side glass windows maximize light and visibility inside the cabinet, providing a bright and open working environment.



SPECIFICATIONS

Model	LH311	LH312
Type	Horizontal Laminar Flow	
Air Cleanliness	Class 100	-
Average Air Flow Velocity	0.3 m/s-0.5 m/s	
HEPA Filter Efficiency	99.99% efficiency at 0.3 μ m	
UV Lamp	30 W×1	
Fluorescent Lamp	28 W×1	
Illumination	≥ 350 lux	-
Vibration Half Peak	≤ 5 μ m	-
Max Opening	520 mm	430 mm
Front Window	Motorized	Motorized, 5mm toughened glass, anti-UV
Control System	Microprocessor	-
Caster	Universal Wheel with levelling feet	Universal caster with leveling feet
Chamber Material	Cold-rolled steel coated with anti-bacteria powder coating	Cold-rolled steel coated with anti-bacteria powder coating, Work table: Stainless Steel 304

Standard Accessory	Fluorescent Lamp, UV Lamp×2, Base Stand, Gas Tap, Socket×2	Fluorescent lamp, UV lamp*2, Base stand, Gas Tap, Waterproof socket*2, Water tap
Work Surface Height	720 mm	750 mm
Internal Size in (WxDxH)	1200×500×570 mm	1700×500×570 mm
Overall Dimension	1300×825×2000 mm	1800×825×2040 mm
Packaging Size	1470x1060x1600 mm	1450x1060x1650 mm
Display	LCD	
Noise Level	> 60 dB(A)	< 60 dB
Weight	165 kg	328 kg
Power	400 W	700 W
Power Supply	220 V, 60 Hz	AC 220 V±10%, 50/60 Hz; 110 V±10%, 60 HZ
Pre-Filter	-	Polyester fiber, washable

ACCESSORIES

Accessory Code	Name
LX1001	Fluorescent lamp
LX1002	Gas tap
LX1003	Total load of two waterproof sockets: 500W
LX1004	UV Lampx2
LX1005	Base Stand
LX1008	Water Tap

LH32 SERIES HORIZONTAL LAMINAR AIR FLOW

- Microprocessor control system with LCD/LED display
- Stainless Steel 304 table for operation
- Cold-rolled steel with anti-bacterial powder coating exterior
- Anti-ultraviolet radiation, toughened glass (≥5mm) motorized front and side window
- Washable polyester fiber pre-filter
- Wind speed can be adjusted



SPECIFICATIONS

Model	LH321	LH322
Type	Horizontal Laminar Flow	
Air Cleanliness	Class 100	
Average Air Flow Velocity	0.3 m/s-0.5 m/s	
HEPA Filter Efficiency	99.99% efficiency at 0.3 μm	
UV Lamp	20 W×1	30 W×1
Fluorescent Lamp	21 W×1	28 W×1
Illumination	≥350 lux	

Vibration Half Peak	$\leq 5 \mu\text{m}$	
Control System	Microprocessor	
Caster	Universal Wheel with levelling feet	
Chamber Material	Cold-rolled steel coated with anti-bacteria powder coating	
Standard Accessory	Fluorescent Lamp, UV Lamp×2, Base Stand, Gas Tap, Waterproof Socket×2	
Work Surface Height	700 mm	
Internal Size in (WxDxH)	980×500×600 mm	1380×500×600 mm
Overall Dimension	1060×800×1690 mm	1460×800×1690 mm
Packaging Size	1230x940x1900 mm	1630x940x1900 mm
Display	LED	
Noise Level	> 60 dB(A)	
Weight	143 kg	183 kg
Power	320 W	620 W
Power Supply	220 V, 60 Hz	

ACCESSORIES

Accessory Code	Name
LX1001	Fluorescent lamp
LX1005	Base Stand
LX1006	UV Lamp

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