

# HORIZONTAL LAMINAR AIRFLOW



# HORIZONTAL LAMINAR AIRFLOW

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, Food processing, Pharmaceuticals, Aerospace, Medical research Laboratories, Hospitals, Research. Also known as Minimal-Turbulence Air Flow, Laboratory Laminar Flow, Clean Bench, Laboratory Laminar Air Flow, Laminar Flow Cabinet, Tissue Culture Hood, Laminar Air Flow Cabinet, Laminar Flow Cabinet, Laminar Flow Hood, Laminar Flow.

## LAF22 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 ( $\geq 5\text{mm}$ ) motorized front and side window

Washable polyester fiber pre-filter

Wind speed can be adjusted



## SPECIFICATIONS

Model	LAF22-0980	LAF22-1389
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 $\mu\text{m}$	
UV Lamp	20W $\times$ 1	30W $\times$ 1
Fluorescent Lamp	21W $\times$ 1	28W $\times$ 1
Illumination	$\geq 350$ 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 $\times$ 2, Base Stand, Gas Tap, Waterproof Socket $\times$ 2	
Work Surface Height	700 mm	
Internal Size in (WxDxH)	980 $\times$ 500 $\times$ 600 mm	1380 $\times$ 500 $\times$ 600 mm
Overall Dimension	1060 $\times$ 800 $\times$ 1690 mm	1460 $\times$ 800 $\times$ 1690 mm
Packaging Size	1230 $\times$ 940 $\times$ 1900 mm	1630 $\times$ 940 $\times$ 1900 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	Description
LS52302	Fluorescent lamp	
LS52315	UV lamp	
LS52328	Base stand	
LS52341	Waterproof socket	



LAF22-0980



LAF22-1389

## LAF21-1200 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 ( $\geq 5\text{mm}$ ) motorized front and side window

Washable polyester fiber pre-filter

Wind speed can be adjusted



## SPECIFICATIONS

Model	LAF21-1200
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 $\mu\text{m}$
UV Lamp	30W $\times$ 1
Fluorescent Lamp	28W $\times$ 1
Illumination	$\geq 350$ lux
Vibration Half Peak	$\leq 5$ $\mu\text{m}$
Max Opening	520 mm
Front Window	Motorized
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 $\times$ 2, Base Stand, Gas Tap, Socket $\times$ 2
Work Surface Height	720 mm

Internal Size in (WxDxH)	1200×500×570 mm
Overall Dimension	1300×825×2000 mm
Packaging Size	1470x1060x1600 mm
Display	LCD
Noise Level	> 60 dB(A)
Weight	165 kg
Power	400 W
Power Supply	220 V, 60 Hz

## LAF21-1700 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	LAF21-1700
Type	Horizontal Laminar Flow
Average Air Flow Velocity	0.3 m/s-0.5 m/s
HEPA Filter Efficiency	99.99% efficiency at 0.3 μm
UV Lamp	30 W×1
Fluorescent Lamp	28 W×1
Max Opening	430 mm
Front Window	Motorized, 5mm toughened glass, anti-UV
Caster	Universal caster with leveling feet
Chamber Material	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, Waterproof socket*2, Water tap
Work Surface Height	750 mm
Internal Size in (WxDxH)	1700×500×570 mm
Overall Dimension	1800×825×2040 mm
Packaging Size	1450x1060x1650 mm
Display	LCD
Noise Level	< 60 dB
Weight	328 kg
Power	700 W
Power Supply	AC 220 V±10%, 50/60 Hz; 110 V±10%, 60 HZ
Pre-Filter	Polyester fiber, washable

## ACCESSORIES

Accessory Code	Name	Description
LS54933	Fluorescent lamp	
LS54945	Gas tap	
LS54957	Total load of two waterproof sockets: 500W	
LS54969	UV Lampx2	
LS54981	Base Stand	
LS55017	Water Tap	



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