

# Laminar Flow Cabinet

## Safe Working Environmental

### Horizontal Laminar Airflow LM-LAFH-200 Series

LuxMed<sup>®</sup> Horizontal Laminar Airflow Cabinet LM-LAFH-200 Series are designed to provide a clean air environment for research operation which required complete anti-bacterial working area. The series involves constant positive pressure inside the cabinet which prevents intake of contaminated air.

#### Features:

- Cold-rolled steel with anti-bacterial powder coating exterior and SS 304 interior for operations.
- Anti-ultraviolet radiation, toughened glass (≥5mm) side window.
- Motorized front window and UV timer available only for LM-LAFH-203 and LM-LAFH-204 Washable.
- Washable polyester fiber pre-filter with 85% efficiency at 5µm large particles.
- Microprocessor control system with LCD/LED display.
- Direct drive high strength motor with impellers to deliver consistent airflow with lesser noise and vibration.
- Wind speed can be adjusted.

#### Application:

LuxMed<sup>®</sup> Horizontal Laminar Airflow Cabinet is used in research and manufacturing to other fields such as aerospace, bioscience, pharmaceutical production and food processing, medical research laboratories, hospitals, manufacturing facilities and other research and production environments.



### Models:

Model	LM-LAFH-201	LM-LAFH-202	LM-LAFH-203	LM-LAFH-204
Chamber Material	Cold-rolled steel coated with anti-bacteria powder coating			
HEPA filter	H14. - 99.999% efficiency at 0.3um			
HEPA Filter Efficiency	99.99% efficiency at 0.3 μm			
Average Air Flow Velocity	0.3 m/s ~ 0.5m/s			
Air Cleanliness	Class 100			
Vibration Half Peak	=5um			
Illumination	=350lx			
Lamp	LED 12Wx1	LED 16Wx1	LED 12Wx1	LED 16Wx2
UV Lamp	18Wx1	30Wx1	30Wx1	30Wx1
Display	LED		LCD	
Control System	Microprocessor Control			
Work Surface Height	750 mm		750 mm	
Front Window	-	-	Motorized	
Noise Level	>60 dB(A)			
Max Opening	-	-	520 mm	
Caster	Universal Wheel with levelling feet			
Standard Accessory	LED Lamp, UV Lampx2, Base Stand, Waterproof Socketx2, Hook x10		LED Lamp, UV Lampx2, Base Stand, Gas Tap, Waterproof Socketx2. Water tap for Model No LM-LAFH-204	
Optional Accessory	Fluorescent Lamp		Fluorescent Lamp	
HEPA Filter Dimension	980x500x69 mm	1380x500x69 mm	1200x500x69 mm	1700x500x69 mm
Inner Dimension (WxDxH)	980x500x600 mm	1380x500x600 mm	1200x500x570 mm	1700x500x570 mm
Overall Dimension (WxDxH)	1060x800x1690 mm	1460x800x1690 mm	1300x820x2040 mm	1800x820x2070 mm
Weight				
Power	200W	300W	400W	500W
Power Supply	220 V, 60Hz			

