



LH Series

Horizontal Laminar Air Cabinet



LH120/180 series combines superior protection and performance for your precise work in laboratory environments. With its advanced features, it keeps your products in a particle and contamination-free environment while offering you a seamless and comfortable working experience.

AREAS OF USE

Horizontal laminar air cabinets are indispensable in many areas that require a high level of clean and particle-free environment. They are widely used, especially in sectors such as biotechnology, pharmaceutical industry, microbiology, food safety, electronics industry, and sensitive optical assembly. These cabinets provide an ideal working area for all processes where contamination risk needs to be minimized, such as DNA/RNA studies, cell culture applications, sterile material transfer, drug preparation, and testing.



FILTRATION SYSTEM

- HEPA Filter: Retains particles larger than 0.3 μm with 99.995% efficiency
- D.O.P. Test Port: Provides the ability to verify filter performance
- Ultra Clean Environment: Maximum protection for samples and product

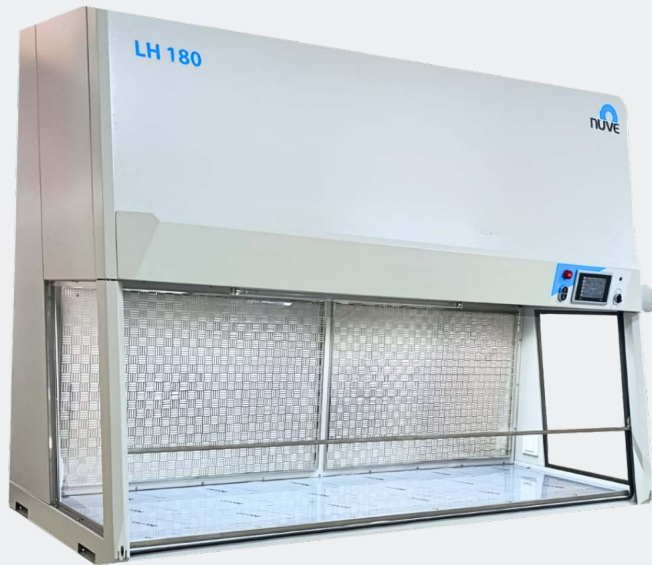
CONTROL SYSTEM

- PLC Control System
- N-Flow™ Airflow Control System
- 5" Touch TFT LCD Screen
- Operating Hour Display



AIRFLOW CONTROL FEATURES

- 6 Programmable Air Speeds: Options include 0.20 / 0.25 / 0.30 / 0.35 / 0.40 / 0.45 m/s
- GreenTech Centrifugal Fan: Lubrication-free, dual-inlet design
- Quiet Operation: Noise level below 60 dB
- Automatic Speed Compensation: Optimal airflow speed for continuous stability



SAFETY FEATURES

- Motorized Sliding Cover System
- UV Resistant Polycarbonate Glass
- Battery System for Movable Glass Control: Glass movement control during power outages.
- Audible and Visual Alarm: For error conditions and airflow speed warnings.

LIGHTING AND DISINFECTION

- High-Intensity LED Lighting: Bright working environment above 800 lux.
- Built-in UV Lamp: Disinfection system adjustable between 1-60 minutes.
- Clear Vision: Always bright and clear working area.

WORKSPACE FEATURES

- Stainless Steel Work Surface: One-piece, easy-to-clean surface.
- 2 Standard Electrical Outlets: Power source in the workspace for practical use.
- Maximum Hygiene: Design optimized for cleaning and sterilization.



TECHNICAL SPECIFICATIONS

	LH 120	LH 180
Hepa Filters	≥ 99.995% efficiency for particles of 0.3 µm (class H 14 according to EN 1822)	
Pre Filter	85% Efficiency for particles ≥0,5 µm (G14 class according to EN 779)	
External Surface Structure	Electrostatic powder coated steel	
Internal Surface Structure	Powder coated steel, UV-C (Polycarbon glass) with side surfaces window	
Working Tray	Mono Piece, AISI 304 stainless steel	
Control System	N-Flow™ (Nüve Air Flow Control System) PLC control	
Display	5" Touchscreen TFT-LCD	
Air Flow Speed Control	PLC control system	
Blower	GreenTech lubrication-free, double-suction centrifugal type	
Fan Motor Flow Rate	1805 m³/h	
Airflow Speed	0.20 / 0.25 / 0.30 / 0.35 / 0.40 / 0.45 m/s (6 programmable)	
Light	High-intensity illumination of over 800 lux with LED lamp	
Noise Level	< 60 dB	
External Socket Connection	2 power outlets with cover and fuse protection (10A for each socket)	
Power Consumption	3 kW	
Power Supply	230 V - 50 Hz	
Internal Dimensions (WxDxH) mm	1260x573x650	1870x573x650
External Dimensions (WxDxH) mm	1344x903x1480 (Height with Stand 2188mm)	1954x903x1480 (Height with Stand 2188mm)
Net / Packed Weight, kg	210	275

ACCESSORIES

S 17 017 Support stand for LH 120
S 17 016 Support stand for LH 180



NÜVE SANAYİ MALZEMELERİ İMALAT VE TİCARET A.Ş.

Saracalar Mah. Saracalar Kümeevleri No: 4/2 Akyurt 06750 ANKARA / TÜRKİYE t. +90 312 399 28 30 f. +90 312 399 21 97
nuve.com.tr sales@nuve.com.tr

ISO 9001: 2015
ISO 13485: 2016
ISO 45001: 2018

