

Laminar Flow Cart

A Laminar Flow Cart is a mobile air filtration device equipped with a HEPA filtration system that provides an unidirectional vertical laminar airflow. It is primarily used to create a temporary, high-standard sterile and particle-free workspace for small-scale operations — such as sample weighing, reagent dispensing within CNC or lower-class clean environments.



Product Features

- Built-in HEPA System: Generates ISO Class 5 clean airflow
- Intelligent Airflow Control: Maintains stable airflow and consistent cleanliness
- Efficient Battery Power: Enables flexible mobility and long operation time
- Modular Design: Configurable with UV lamp or VHP ports to prevent cross-contamination
- Application Scope: Ideal for safe transfer of sterile materials and samples between clean areas

Standard Configuration

- SUS304L brushed stainless steel plate
- Uninterruptible Power Supply (UPS)
- Microcomputer-based control
- Air velocity sensor
- Swivel brake casters with rubber coating



Optional Configuration

- Height-Adjustable Tabletop
- AGV-Compatible Operation Mode

Product Highlights

- Lightweight UPS Lithium Battery: Reduced overall weight with reliable backup power
- Built-in Adjustable Tabletop: Accommodates diverse operational needs
- Airflow Sensor: Ensures a safer and more reliable internal environment
- Smart Interactive Display: Enables real-time data monitoring

Standard Models & Technical Parameters

Model	External Dimensions (WxDxH) mm	Internal Dimensions (WxDxH) mm	Clean Air Velocity m/s	Workspace Cleanliness	Consumption (kW)
BCLC-072058	800x600x1750	720x580x750	0.45±20%	ISO 14644-1 Class 5	0.4
BCLC-092058	1000x600x1750	920x580x750			0.4
BCLC-112068	1200x700x1750	1120x680x750			0.5