

LFHT / LFVT

Laminar Flow Horizontal Trolley
Laminar Flow Vertical Trolley



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Introduction

Laminar Flow Horizontal or Vertical Trolleys are mobile transport carts or trolleys providing ISO Class 5 clean air (as per ISO 14644-1). These laminar flow trolleys utilize a unidirectional airflow to eliminate contamination during the transfer of sterile/aseptic materials.

Laminar Trolleys are customizable units that can provide:

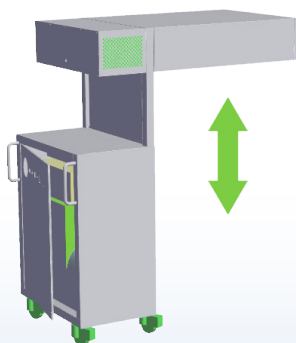
- Product aseptic zones with single pass or recirculatory airflow.
- Operator or environment protection (only available in recirculatory airflow) and in negative pressure with respect to ambient.
- Stand alone units mounted over mobile stands for mobile aseptic zones.

Applications

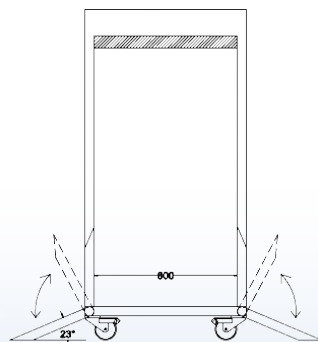
- Medical Industry (i.e., operating theatre)
- Filling Line System ISO Class 5 coverage
- Nanotechnology
- High-End Electronics
- Space Industry
- Pharmaceutical Industry
- Research and Development Laboratories

Basic Principles

- Room air is drawn via an G4 prefilter before entering perforated diffuser into the supply plenum.
- Airflow passes through a baffle system prior to gel-sealed HEPA filtration, creating a low decibel aseptic work zone for operator comfort.



Hydraulic height adjustable



Hydraulic ramp



Standard Features

- Easy to clean stainless steel construction.
- Tempered glass doors
- Stainless steel hinges
- HEPA/ULPA knife edge gel-sealed design better than conventional gasket sealed.
- Sentinel™ Gold microprocessor control with audio/visual alarms for downflow velocity and differential pressure across filters.
- Polyurethane (PU) wheels
- Battery for onboard power when not connected to main building supply
- Emergency stop

Optional Configurations

Airflow Patterns

- Single Pass
- Recirculatory

Optional Features

- Hydraulic adjustable stands
- Electromagnetic interlocking doors
- Perforated shelves
- Splashproof electrical outlets
- PVC strips curtains
- Pressure gauge provision
- Selection of material of construction between an electrogalvanized (EG) steel exterior with ISOCIDE™ antimicrobial powder coating or full SS304 exterior and interior.


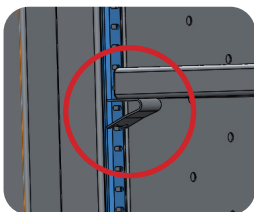
Guide to Models

LFVT - A-EG - - S-P-2

Product Code	MOC	Internal Width	Internal Dimension	Internal Height	Airflow Pattern	Airflow Pressure	Battery Life (Hrs)
V - Vertical airflow	A-EG Steel Exterior/ Interior with SS304 base.	TBD	TBD	TBD	S -Single Pass R -Recirculatory	P -Positive N -Negative	A half hour (standard)
H -Horizontal airflow	B-SS Full SS304 right angle corners.	TBD	TBD	TBD			

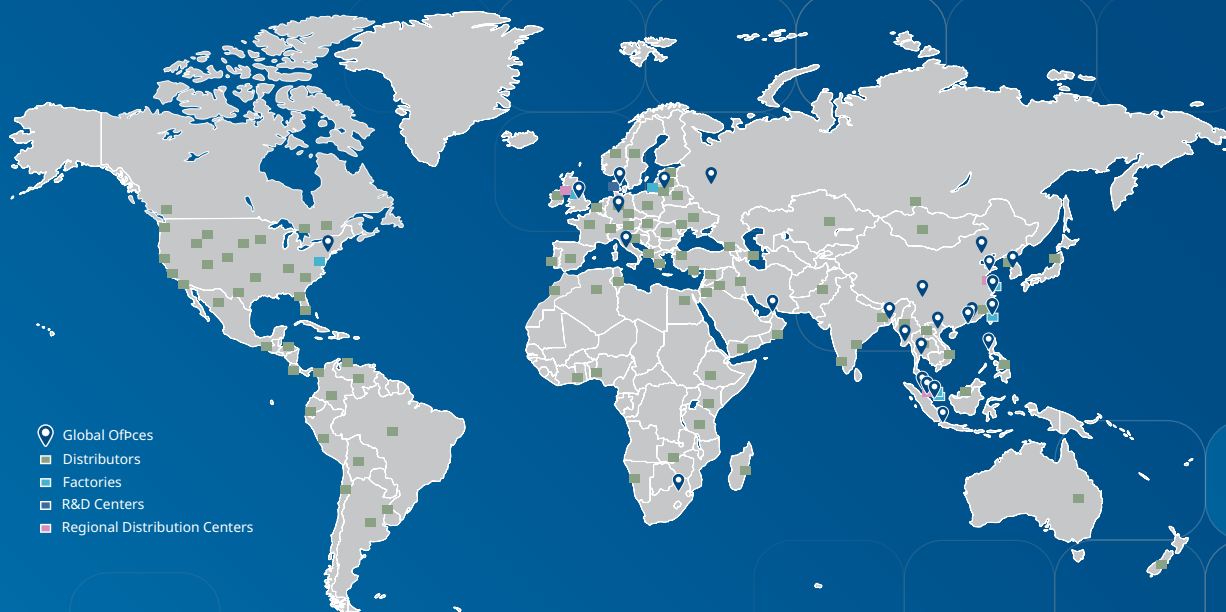
* TBD - To be discussed according to the customers' preference.

Customizations

	Prolonged battery life for UPS (eg. 45 minutes, 2 hours, etc).
	Adjustable Slots

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Air Shower
 Aseptic Containment Isolator (ACTI)
 Ceiling Laminar Airflow Units
 Cleanroom Transfer Hatch
 Containment Barrier Isolator (CBI)
 Downflow Booth (DFB)
 Dynamic Floor Laminar Hatch
 Dynamic Pass Box
 Evidence Drying Cabinet
 Garment Storage Cabinet
 General Processing Platform Isolator (GPPI)
 Laminar Flow Horizontal Trolley
 Laminar Flow Straddle Units, Single and Double
 Laminar Flow Vertical Trolley
 Pass Box
 Soft Wall Cleanroom
 Sputum Booth
 Ventilated Balance Enclosure (VBE)
 Weighing and Dispensing Containment Isolator (WDCI)

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