

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:

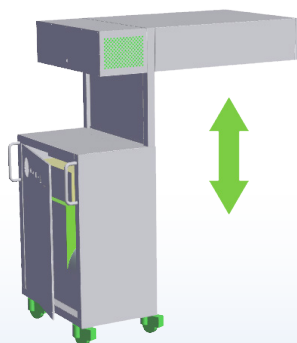
- Product aseptic zones with single pass or recirculatory airflow.
- Operator or environment protection (only available in recirculatory airflow) and in negative pressure with respect to ambient.
- Stand alone units mounted over mobile stands for mobile aseptic zones.

Applications

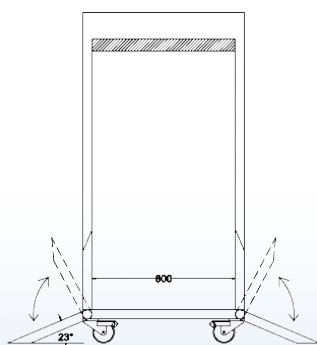
- Medical Industry (i.e., operating theatre)
- Filling Line System ISO Class 5 coverage
- Nanotechnology
- High-End Electronics
- Space Industry
- Pharmaceutical Industry
- Research and Development Laboratories

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.


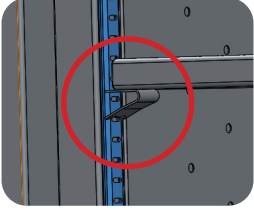
Guide to Models

LFVT - A-EG - - S-2

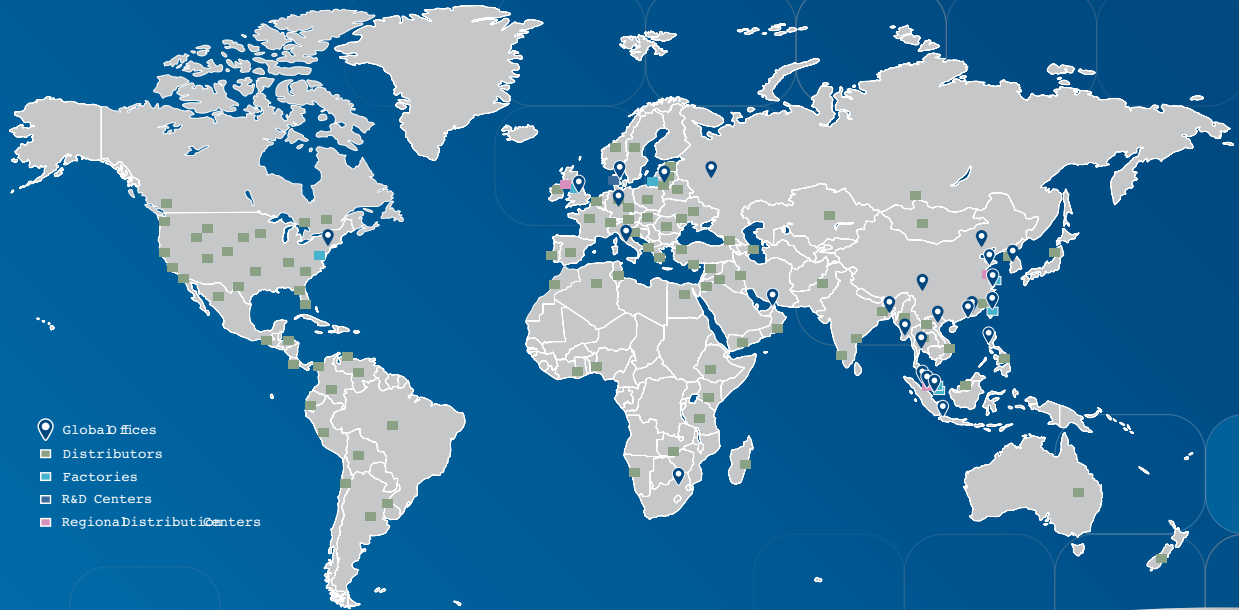
Product Code	MOC	Internal Width	Internal Dimension	Internal Height	Airflow Pattern	Battery Life (Hrs)
V - Vertical airflow	A-EG Steel Exterior/Interior with SS304 base.	TBD	TBD	TBD	S -Single Pass R -Recirculatory	A half hour (standard)
H -Horizontal airflow	B-SS Full SS304 right angle corners.	TBD	TBD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

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

Customizations

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

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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
- General Processing Platform Isolator (GPPI)
- Laminar Flow Horizontal Trolley
- Laminar Flow Vertical Trolley
- Pass Box
- Ventilated Balance Enclosure (VBE)
- Weighing and Dispensing Containment Isolator (WDCI)

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