



HORIZONTAL LAMINAR FLOW TROLLEY



LAF Trolley
Clean Room
Horizontal LAF Trolley



LABORATORY AND
INDUSTRIAL EQUIPMENT

LAF Trolley

Clean Room
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Class ISO3
Material Transfer

In a nutshell...

TECHNICAL SPECIFICATION

- ✓ Body structure fully made in stainless steel AISI 304L 4B (Scotch Brite finishing) press-bent metal sheets with radius of 3 mm for easy cleaning and roughness lower than 0,8 Ra.
- ✓ Filtration stages consisting of G3 pre-filter with typical arrestance of $80 \leq Am < 90$ according to EN 779 fitted on stainless steel cell with quick release system (no screws needed to remove the panel) and low pressure drop H13 HEPA filter according to CEN EN 1822.
- ✓ Ventilation provided by energy efficiency low power consumption EBM Papst motorblower.
- ✓ Dry battery UPS recovery pack with theoretical battery duration of 100 minutes starting from full charge status. UPS unit is provided with charge indicator (UPS must be plugged for recharging anytime in order to keep the always close to full charge status battery).
- ✓ Pivoting castors with brakes.
- ✓ Side and top windows made in stainless steel or 8 mm safety glass as per customer request.
- ✓ Stainless steel internal shelves to lean trays (trays not included in standard package, total number of shelves depends on the internal useful height and may vary upon customer request).
- ✓ Front and rear resin handle bars
- ✓ Frontal hinged or removable stainless steel panel with closing handle.
- ✓ Backlit main switch.



AVAILABLE DIMENSIONS (useful internal w x d x h)

- ✓ 600 x 670 x 610 mm
- ✓ 720 x 1049 x 958 mm
- ✓ 960 x 1150 x 1280 mm
- ✓ 960 x 1200 x 1530 mm

Custom dimensions and special internal arrangement are available upon request

AVAILABLE OPTIONS

- ✓ Automatic air flow speed regulation with digital anemometer and lcd display.
- ✓ Stainless steel internal shelves.
- ✓ H14 HEPA filter in replacement of H13 filter.
- ✓ Double UPS dry battery package.
- ✓ Sliding side windows for access into the chamber.
- ✓ Internal removable rails for autoclave connection.
- ✓ Internal stainless steel separator to increase shelves housing.

Horizontal LAF transfer trolley is used for the storage and the transfer of products that are sensitive to contamination, between two classified areas, generally separated by autoclaves. The self powered unit - by means of dry UPS battery - provides a laminar air flow of Class ISO 5 (NF, EN, ISO 14644-1) blown horizontally from the plenum towards the loading door, thus sweeping through the area where the products are stored (over the shelves and trays), maintaining a constant positive pressure within the transfer trolley, greater than the pressure in the surrounding area - thereby eliminating the possibility of any cross contamination.

The transfer trolleys are equipped with UPS on-board battery) to maintain the laminar flow conditions within the LAF transfer trolley at all times. The battery level is monitored by a charge indicator.

CE



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Striving everyday to improve our environmental performance, FASTER developed environmental procedures are founded on three guiding principles:

- Protect the Environment for present and future generations manufacturing low energy consumption equipments
- Reduce risks and improve efficiencies
- Introduce improved technology and processes

