



VERTICAL LAMINAR FLOW BOOTH



CleanFLOW Booth
VFU unit

Vertical Clean Room Booth



PROTECTION, SAFETY, RELIABILITY.
AND MORE.

CleanFLOW VFU unit

Vertical Clean Room Booth
Class 3 - EN ISO 146644-1

GMP Grade A
Air cleanliness

In a nutshell...

TECHNICAL SPECIFICATION

- ✓ Body structure fully made in stainless steel AISI 304L 4B (Scotch Brite) and press-bent metal sheets with a radius of 3 mm for easy cleaning and roughness lower than 0,8Ra.
- ✓ Anodized aluminium filter protective grid.
- ✓ Prefiltration stage consisting of G3 filtration cells made in AISI 304L stainless steel with typical arrestance of $80 \leq Am < 90$ according to EN 779.
- ✓ Filtration stage consisting of main H14 HEPA filter certified low pressure drop with typical efficiency of 99.995% MPPS according to CEN EN 1822.
- ✓ Filters replacement from the bottom (BR series) or from the side of the module (SR series).
- ✓ Improved bag plenum design for better air flow diffusion and lower noise level.
- ✓ Negative pressure pattern conforming to GMP requirements to prevent risks of escape of contaminated external air – or it by-passing filter - and to reduce pressure transition losses.
- ✓ Outlet for DEHS filter integrity test.
- ✓ Ventilation is provided by double inlet centrifugal AC motorblower.
- ✓ Electrical supply 230 V/50 Hz monophase.

MAIN ACCESSORIES

- ✓ Automatic air flow speed regulation with digital display.
- ✓ ABS or Stainless Steel remote control box.
- ✓ Stainless steel H14 HEPA filter protective grid.
- ✓ Backlit functional buttons integrated in stainless steel leg.
- ✓ Stainless steel legs with castors.
- ✓ Stainless steel blind panels or fitted with manometer.



STANDARD MODULE SIZES (width x depth x height)

- ✓ FU 22 BR/SR 680 x 680 x 600 mm
- ✓ FU 24 BR/SR 1360 x 680 x 600 mm
- ✓ FU 33 BR/SR 1000 x 1000 x 600 mm
- ✓ FU 34 BR/SR 1360 x 1000 x 600 mm

Custom dimensions are always available upon request.

Faster Unit modules are *Vertical Laminar Flow units* providing *Class ISO 3* according to *ISO 14644-1* - which can be joined together to build up small to room size *clean room environments*. These LAF modules can be supported by stainless steel legs or suspended from the ceiling by means of eye-bolts positioned on top of each module.

Polycarbonate or PVC strip curtains with quick release system on the surrounding edges of the modules, contain and separate the clean area from the external environment. Tailor-cut size modular units can be assembled and suspended on top of the restricted area barrier (RABS) over drug-making pharmaceutical machines to protect the sterility of the products during filling operations.

Special FASTER LAF modules, can be used in several ways in the food and beverage industries to create a strong overpressure inside the food filling machine to prevent external contaminants to reach the filling process.



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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