



SmartFAST MINI Vertical Laminar Flow Cabinets



SmartFAST MINI cabinet is a small work-station suitable for handling products that need to be protected against non-pathogenic airborne contamination.

The compact, portable cabinet can be easily moved and positioned on benchtops of a variety of different laboratories. It is suitable for various requirements such as: not pathogenic microbiology and cell cultures manipulation.

The SmartFAST MINI cabinet is fitted with a HEPA filter with an efficiency better than 99,995% MPPS (H14: EN1822) as well as a synthetic fibre pre-filter with minimum efficiency of 80%-90% ASHRAE.

OPERATING PRINCIPLES:

The ambient air is drawn in through the pre-filter fitted in the upper side of the cabinet and it then passes after filtration through the HEPA filter into the work-area in laminar air flow conditions and then exhausted outside from the frontal aperture and under the work surface.

APPLICATIONS:

SmartFAST has been specifically designed to meet specific requirements of biotechnology laboratories, molecular biology, electronics, pharmaceuticals and optical, primarily when handling cell cultures and no-hazardous biological agents, when it is necessary to ensure material protection.

Can be used in a wide range of disciplines, including:

- Microbiology
- Sterility tests
- Cell culture
- Sterile manipulations
- Molecular biology
- DNA work/thermal cycling/PCR

Technical Specification

SPECIFICATIONS

Construction : corrosion-resistant epoxy powder painted carbon steel.

Transparent side walls: safety glass.

Work surface: Punched AISI-304L stainless steel, to ensure flow laminarity and air recycling at the work surface level. An air slot at the front aperture provides a protective barrier for product.

Absolute filter: HEPA filter tested with D. O. P. aerosol. Their efficiency, higher than 99.999% at 0.3 micron particle size -0.001% penetration (H14) -guarantees performance exceeding

requirements of U. S. Federal Standard 209 e, BS 5295, VDI-2083 and AS 1386-1976.

Motor blower: direct coupled motor, electronic speed controlled to maintain a constant air flow of 0.45 m/sec, and compensate for a partially clogged filter, up to a maximum pressure of 35 mm of water.

Power Supply: 220 V, 50 Hz, single phase.

Lighting: remote mounted fluorescent light, outside sterile area.

Front window: safety glass with camlock.

DIMENSIONAL TABLE

| Model Mini | Useful Dimensions mm | | | Overall Dimensions mm | | | Power |
|------------|----------------------|-----|-----|-----------------------|-----|-----|-------|
| | W | H | D | W | H | D | Kw |
| SmartFAST | 580 | 317 | 375 | 642 | 340 | 830 | 0.2 |

