



Vertical Laminar Airflow Cabinets



Mini 3

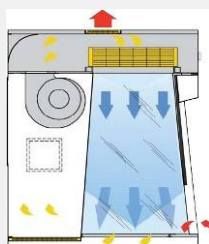
- Product protection
- Two working possibilities: negative / positive pressure
- Tested, proved and documented quality
- One-piece, perforated work surface, made of stainless steel AISI 304 dismantlable and autoclavable
- Alarm-controlled laminar flow
- Air cleanliness classification 5
- Main HEPA filter class H14 as per DIN EN 1822
- Pre-filter separation 80-90%
- Integrated DEHS test connection
- Microprocessor control with Soft-touch key pad; optionally with digital display
- According to ISO 14644-1
- Integrated UV timer, operating hours counter (option)
- Front cover including UV lamp (option)
- Power socket inside work area
- Easy control, examination and maintenance
- Metal support, optionally mobile or stationary



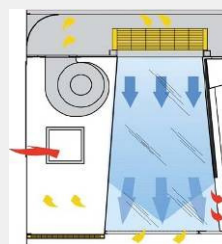
| Model | Mini 3 |
|---|----------------------------------|
| Outer dimensions (mm) wxhxd | 830x785x650 |
| Inner dimensions (mm) wxhxd | 790x585x400 |
| Front opening min. - max. (mm) | 175 - 580 |
| Front screen hinged, made of stratified safety glass, for cleaning and disinfection. | ■ |
| Volume (l) | 185 |
| Packing dimensions (mm) wxhxd | 880x720x810 |
| Net weight (kg) | 75 |
| Electric connection (V / Hz) | 230 / 50 |
| Electric power (W) without power socket | 200 |
| Power socket inside work area | ■ |
| Housing in all-metal construction, epoxy-powder coated, RAL 9010 (pure white), resistant against common disinfectants | ■ |
| Work surface: stainless steel AISI 304, one-piece | ■ |
| Fluorescent lamps: number / power (W) | 1 / 18 |
| Chamber illumination (lx) | >500 |
| Noise level as per DIN EN 12469 (dB (A)) | <60 |
| Air flow speed (Laminar flow) | 0.4 m/s |
| Main HEPA filter: filter class (DIN EN 1822) / separation (MPPS) / particle size (µm) | H14 / 99.995 / 0.3 |
| Main HEPA filter: number / size (mm) wxhxd | 1 / 762x69x305 |
| Pre-filter separation (%) | 80-90 |
| Pre-filter: number / size (mm) wxhxd | 1 / 118x118x11 1 / 780x250x11 |
| Number of centrifugal fans, protection class | 1 / IP32 |
| Air volume: exhaust / circulating / total (m ³ /h) | 100 / 230 / 330 |
| DEHS test connection | ■ |
| Options for all models | |
| Front cover made of aluminium | □ |
| UV lamp mounted on aluminium front cover / power (W) | □ / 15 |
| UV timer, operating hours counter (digital display) | □ |
| Manually adjustable safety valve for medium: gas or vacuum | □ |
| Automatic regulation of motor blower speed by flow measurement and visualisation of the LAF (display) | □ |
| Metal support optionally mobile or stationary, epoxy-powder coated, RAL 7001 (silver grey), height 800 mm | □ |

Airflow
Negative Pressure

The air flowing down from the HEPA filter passes through the perforated work surface. It is exhausted through a pre-filter placed in the ceiling of the cabinet. Thus, a slight negative pressure is provided in the cabinet, which causes a protective air barrier at the working aperture, without affecting the laminar flow.


Positive pressure

The air flows down in laminar airflow from the HEPA filter and passes through the perforated work surface. An air intake from the pre-filter side creates a slight positive pressure in the cabinet and thus part of the air is exhausted through the front aperture.



← Air circulation
← HEPA-filtered air
← External air