

UNIFLOW UVU 700

Laminar Flow Cabinet

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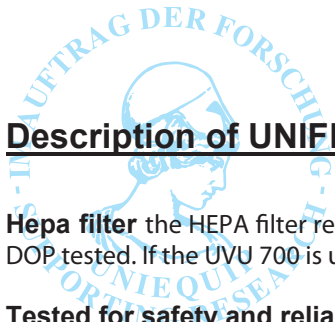


- Benchtop instrument
- Vertical, recycling airflow 30% / 70% > international standard
- HEPA filter class EN 1822 >H14 with 99.997% efficiency on 0,3 μ particles
- Timer for counting filter duration time
- External dimensions (wxdxh): 820x600x820 mm
- Dim. with HEPA exhaust: 820x600x920 mm
- Working area (wxd): 740x430 mm
- Power socket 220V & socket for UV lamp
- Dual-switch for light or UV lamp
- Illumination better than 1000 lux
- Optional:
 - DNA preparation with activated charcoal filter
 - UV lamp, safety gas valve, support stand
 - HEPA exhaust filter mounted on top

Dimensions and specifications are subject to change without notice for further improvements on design.
Dimensions may vary dependent on different accessories be used.

UNIEQUIP

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Description of UNIFLOW UVU 700

Hepa filter the HEPA filter removes 99.999% of all 0,3µ particles. Manufactured in accordance with MIL-F51068 and BS-3928, DOP tested. If the UVU 700 is used for DNA preparation we install an extra charcoal filter in front of the ventilator.

Tested for safety and reliability each Uniflow UVU 700 passes a rigorous performance and safety test. The UNIFLOW flow system works like a <Biohazard Cabinet> but it doesn't have the German TÜV certification for this safety classification.

High performance Uniflow UVU 700 offers very high performance, good illumination and a low noise level of 54 dB. Hepa Filter offers the specification of 99,999% DOP test by 0,3µ. All Hepa filters we use offer a single test certificate.

Safety shield the front safety shield protects the operator from contamination. The airflow system supports 70% clean air into the working chamber and 30% to the exhaust. It is designed to distribute air across the HEPA filter and optimize clean airflow throughout the working area. This air flow system is an international standard and world wide used.

Mechanical blower speed setting it is possible to set up the blower speed in reference of 0,45m/sec.

Safe negative pressure design all contaminated areas are under negative pressure. If a leak occurs, the negative pressure captures the contaminated air and forces it through the HEPA filter.

Switches the switches for light/UV lamp and blower are located in the front panel for easy access for the user.

UV lamp available as an option is a portable 254nm UV lamp for Uniflow UVU 700 to maintain surface disinfection following through decontamination of particles.

Lighting located outside the working area, the lamp remains uncontaminated and is easily replaced.

Working surface working surface and back workzone made of stainless steel.

Flush side and front glass made of tempered glass.

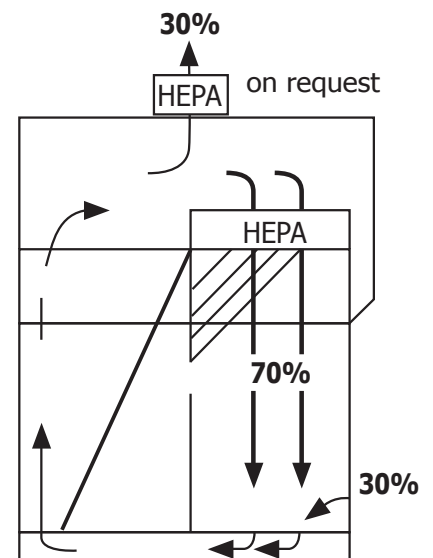
CE certificated all UniEquip products are CE certificated.

Electrical configurations 220 Volt, 50 Hz. 110 Volt, 60 Hz. on request.

This unit is a partially recirculating downflow cabinet with air being filtered by HEPA filter with 99.997% efficiency on 0,3µ particles, before entering the work area at a speed of 0.45m/sec; this ensures a Class 100 environment throughout the work area.

Two configurations are available: inward air barrier and outward air barrier. INWARD air barrier: in this configuration an air barrier is sucked through the front opening and recirculated with the ownflow air by a motorblower. 70% of the air is returned to the work area through the main HEPA filter and 30% is exhausted into the environment through a Hepa filter. In this configuration an excellent product protection is ensured, as well as an outstanding containment.

OUTWARD air barrier: in this case the circulating decontaminated air is pressed through the airfilter or HEPA filter. The quantity of the air barrier is 30% of the total airflow. The air leaving the Hepa filter is 100% clean. If the cabinet is supplied with a normal 95 Eur exhaust filter the filtration is reduced to only 5µ partiel size. This configuration ensures the highest product protection.



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