

UV Airclean Workstation

Description

It is known that UV light causes damage to nucleic acids. Irradiation with hard UV light (254 nm) in the UV Airclean Workstation is sufficient to prevent the unwanted amplification of DNA contaminations.

Model is a bench-top type, made of metal framework, glass walls, working surface made of stainless steel.

UV-Airclean is equipped with an open UV lamp installed in the upper hood. UV-radiation from the open lamps disinfects the working area inactivating DNA/RNA fragments during 15–30 min of exposure. A digital timer controls duration of the direct UV irradiation. A daylight lamp provides proper illumination of the working surface.

UV-Airclean is equipped with a flow-type bactericidal UV cleaner-recirculator, which provides constant decontamination inside the box during operation. They are recommended for operations with DNA/RNA amplicons.

UV cleaner-recirculator consists of a UV lamp, a fan and dust filters organized in a special body so that a user working with a UV-cleaner box is protected against UV light. Recirculator increases the maximum density of UV light making it sufficiently effective for DNA/RNA inactivation. The UV-recirculator processes 100 UV-cleaner box volumes per hour, creating permanent aseptic conditions of operation inside the UV-Airclean.

Benefits

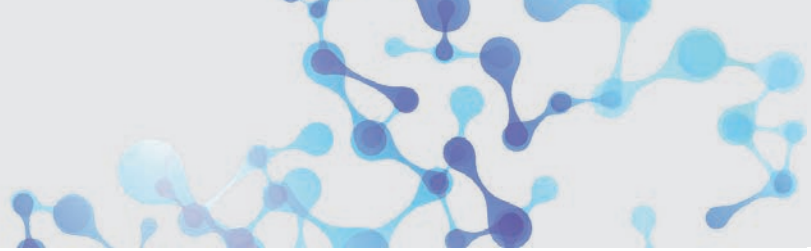
- Ozone free high density UV decontamination
- Long living UV lamps (9,000 hours average)
- Automatic switch off of UV-lamps when the protective screen is opened
- Bactericidal flow-type recirculator providing permanent decontamination inside UV –cleaner box during operation
- Shockproof glass walls
- Low noise, low energy consumption
- Tables for installation of UV-cleaner boxes
- Patented solution: UV-Airclean with the bactericidal UV cleaner–recirculator
- optional: Base frame with drawer
Order Nr. 112.0050



UV Airclean Workstation Order No. 112.0014
with optional accessory shelf F1 and F5 (see page 3)



Optional: Table with drawer and rollers
Order No. 112.0050

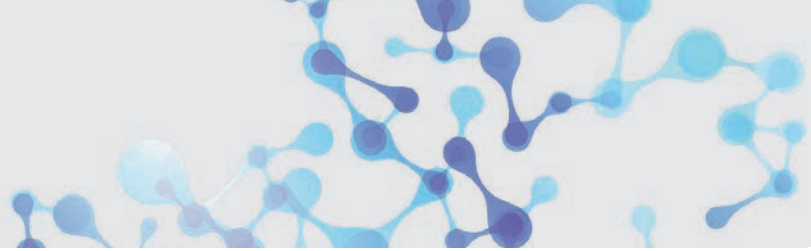


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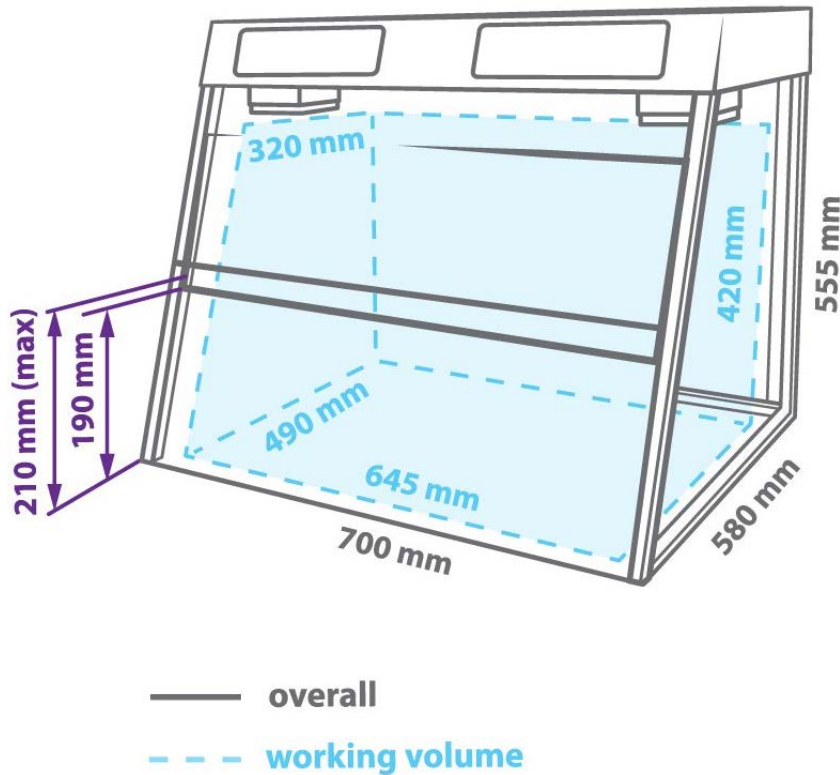
Technical Data

Material rear / working surface	Stainless Steel
Material side panels and front	Glas (EUROGLASS, Germany) Side panels: 4 mm Upper front: 8 mm Lower front: 4 mm
Open UV lamp	1 x 25 W built-in bactericidal UV-C, TUV 25W 1SL/25
Radiation type	UV ($\lambda = 253.7 \text{ nm}$), ozone-free
UV recirculator	1 x 25 W (efficiency > 99% per 1 hour)
UV radiation level	18 mW / cm ² / sec
Daylight lamp (for working area illumination)	1 x TLD-15 W
Digital time setting of direct UV exposure	1 min – 24 std / non-stop (increment 1 min)
Optical transmission	95 %
UV protection	> 96 %, UV-protection film
Safety features	Automatic open UV lamp switch off when screen is open
Power outlets inside the unit	Inlet for power cords and 1x built-in socket, max. 1000 W
Dimensions UV Workstation	700 x 580 x 555 mm (W x D x H)
Working area	645 x 490 mm
Opening dimensions (fully raised protective screen)	645 x 190 mm
Weight (netto/brutto)	28.8 / 39 kg
Nominal operating voltage	100 – 240 V, 50/60 Hz
Power consumption	67 W
Order No. UV Airclean Workstation	112.0014 with 1 x integrated socket + inlet for power cords
Order No. Base frame T-4 (optional)	112.0050 with drawer and rollers Dimensions (800 x 600 x 750 mm)





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Schematic View



Accessories Shelves*

Model / Shelf	Description	Dimensions (WxDxH)	Part No.
F-1 	Straight universal shelf for decontaminated storage of samples, reagents and small instruments above the work area. The shelves are made of transparent acrylic glass (PMMA) and ensure easy assembly and disassembly.	400 x 140 x 50 mm	112.0055
P-5 	Holds up to 5 mechanical laboratory pipettes in vertical position above the work area.	230 x 140 x 50 mm	112.0056

*Only compatible with devices from year of manufacture 2021