

UVC/T-M-AR, DNA/RNA UV-cleaner box



DESCRIPTION

DNA/RNA UV-cleaner box **UVC/T-M-AR** is designed for clean operations with DNA samples. UV-cleaner box provide protection against contamination.

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

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

UV cleaner-recirculator AR 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-cleaner box.

Specially assigned moving tables **T-4** (with wheel locks) with a drawer are available on request.

Advantages of Biosan UV-cleaner boxes:

- 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
- UV-cleaner boxes with the bactericidal UV cleaner-recirculator AR is the patented Biosan solution



SPECIFICATION

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| Walls material | Rear: stainless steel Sides and front: glass (EUROGLASS, Germany) |
| Working surface material | Stainless steel |
| Open UV-lamp | 1 x 25W built-in bactericidal, TUV25WG13 UV-C |
| UV radiation level | 15 mW / cm ² / sec |
| Radiation type | UV ($\lambda = 253.7$ nm), ozone-free |
| Digital time setting of direct UV exposure | 1 min-24 hrs / non-stop (increment 1 min) |

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| | UVC/T-M-AR incl. power cord |
| BS-040104-AAA | 100-240VAC 50/60Hz Euro plug |
| BS-040104-AAB | 100-240VAC 50/60Hz UK plug |
| BS-040104-AAC | 100-240VAC 50/60Hz US plug |
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| | UVC/T-M-AR incl. power cord with built in socket |
| BS-040104-A06 | 100-240VAC 50/60Hz Euro socket, Euro plug |
| BS-040104-A07 | 100-240VAC 50/60Hz UK socket, UK plug |
| BS-040104-A08 | 100-240VAC 50/60Hz US socket, US plug |
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| | Optional accessories |

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| UV-recirculator | 1x25W (efficiency >99% per 1 hour) |
| Daylight lamp (for working area illumination) | 1 x TLD-15W |
| Thickness of side panels | 4 mm |
| Thickness of upper front panel | 8 mm |
| Thickness of screen | 4 mm |
| Optical transmission | 95% |
| UV protection | >96%, UV-protection film |
| Working area | 650 × 475 mm |
| Safety features | Automatic open UV-lamp switch off when screen is open |
| Power outlets inside the unit | Inlet for power cords or optional 1x Built-in socket, max. 1000 W (pls, order respectively) |
| Nominal operating voltage | 100-240 V, 50/60Hz |
| Power consumption | 67 W |
| Overall dimensions (W×D×H) | 690 × 535 × 555 mm |
| Weight (net / gross) | 28.8 / 39 kg |
| Optional table | T-4 (800 × 600 × 750 mm) |

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| BS-040107-DK | <u>PDS-250, DNA/RNA removing solution, 250ml</u> |
| BS-040101-BK | T-4, Table |
| BS-040104-AK | IQ OQ document |
| BS-040104-BK | PQ document |