

Biosafety Devices

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

Bench top model made of metal frame and plexiglass walls has painted steel working place (chemicals resistant powder coating) and digital timer for control of UV exposure.

An open UV-lamp (15 W) disinfects the working volume and the working area during 15-30 min of exposure controlled by digital timer. White 15 W lamp provide local illumination of the working place and ensures good conditions for visual control of operation.

Model UVC/T-M-AR includes not only traditional open exposure of UV source for direct exposure of the surface, but also additional UV air flow cleaner (UV-recirculator) for constant air decontamination inside the cabinet, while a user is protected from direct UV-light during operation.

UV-recirculator consists of a UV lamp, fan and dust filters organized in a special box, i.e. a person working in the UVC/T-AR is not exposed to UV-radiation and therefore processing the air-flow with UV-light can be performed practically all the time, without interrupting working process. UV-recirculator increases the density of UV-light to maximum (1000 x fold) leading sufficiently to effectivity of DNA inactivation. UV-recirculator generates 100 Volumes of the PCR per 1 hour air flow exchange giving maximum aseptic conditions inside the Box.



UVC/T-AR

Catalogue number

| | | | |
|----------|---------------|-----|--------------|
| UVC/T-AR | BS-040102-AAA | T-4 | BS-040101-BK |
|----------|---------------|-----|--------------|

UVT-S-AR, DNA/RNA UV-cleaner box,

This model is designed for placing more laboratory instruments and accessories on the base work area. The total working area of the box is twice as large as that of the traditional model **UVC/T-M-AR** that allows more comfortable operation.

UVT-S-AR box includes UV air recirculator. This option additionally prevents unwanted amplification of contaminant DNA and protects the user from direct UV-light during manipulation.

Specifications:

- Open UV lamp 2 x 30 W, bactericidal (Philips) Ultraviolet (253,7 nm), ozone-free
- Radiation type 1 x 30 W (efficiency >99% per cycle)
- UV-recirculator 1 x 30W for illumination of the working area
- Daylight lamp 1 x 30W for illumination of the working area
- Glass type Euroglass (Germany)
- Thickness of glass

| | |
|-------------------|------|
| sides | 4 mm |
| upper front panel | 8 mm |
| screen | 5 mm |
- UV-protection film type 4 MIL CLEAR
- Optical transmission 95%
- UV protection 96%
- LED time controller of UV-exposure 1 min - 24 h
- Working place 1200x520 mm
- Optional table with drawer **T-4L**
- Power outlets inside the unit 3 pieces 3 A, 220/240 V, 50/60 Hz
- Overall dimensions 1245x580x585 mm
- Weight, not more 58 kg
- Power supply 220/240 V, 50/60 Hz, 150 W

Automatic open UV-lamp switch off when screen is open

Catalogue number

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|----------|---------------|------|--------------|
| UVT-S-AR | BS-040107-AAA | T-4L | BS-040107-BK |
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T-4

Specifications:

- Automatic open UV-lamp switch off when screen is open
- High density UV-decontamination
- UV-lamp (15W) ozone-free & 1 white lamp (15W)
- Long living UV lamps up to 8000 hours
- Digital timer 1 min - 24 hours/non-stop
- Equipped with a flowing bactericidal air recirculator (model UVC/T-AR), which provides constant decontamination inside the box. Recommended for operation with dangerous infectious and viral materials.
- Low noise level
- Low power consumption
- Preliminary disinfection of plexiglass walls can be made with non-organic solutions, e.g. hydrogen peroxide
- Plexiglass type - Polymethyl methacrylate, ALTUGLAS EX@
 - Thickness of sides 4 mm
 - Thickness of upper front side 8 mm
 - Optical transmission (visible light) 99,99%
 - UV light protection 99%
- Optional table with drawer **T-4**
- Overall dimensions 690x515x555 mm
- Weight, not more 27 kg
- Power supply 220/240 V, 50/60 Hz

UVT-S-AR



UVR-M, UV-air flow Cleaner - Recirculator

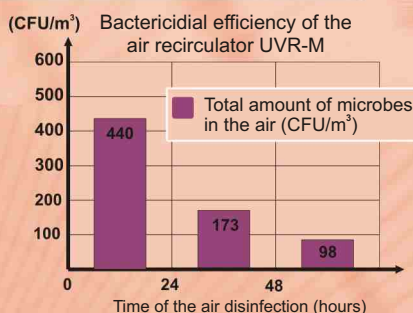
UVR-M is applicable for UV disinfection of air in different type premises including biomedical research laboratory rooms, operating rooms in clinics, waiting rooms in outpatients departments, veterinary stations, production premises in food industry. It is effective tool for protection during influenza and other virus respiratory diseases epidemics.

Specifications:

- Cleaning effectivity (see below)
- 15 W UV lamp, ozone free, bactericidal (Philips)
- Productivity up to 25 m³/hour
- Convenient placement on walls (standard)
- Optional stand (on picture)
- Full protection from direct UV-light
- Overall dimensions 82x92x600 mm
- Weight, not more 4 kg
- Power supply 220/240 V, 50/60 Hz

Catalogue number

UVR-M BS-040105-AAA



Optional stand

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

The UVC/T-M-AR is made of glass coated with UV-protecting film, the skeleton, the working surface of stainless steel. UV-lamp (15 W) disinfects the working volume and the working area during 15 - 30 min of exposure controlled by digital timer. One white lamp provides local illumination of the working place.

UVC/T-M-AR equipped with a flowing bactericidal air recirculator, which provides constant decontamination inside the box. Recommended for operation with DNA viruses amplicons and prions, for which HEPA-filters show their ineffectiveness and even uselessness.

UV-recirculator consists of a UV lamp, fan and dust filters organized in a special box, i.e. a person working in the UVC/T-M-AR is not exposed to UV-radiation and therefore processing the air-flow with UV-light can be performed practically all the time, without interrupting working process. UV-recirculator increases the density of UV-light to maximum (1000 x fold) leading sufficiently to effectivity of DNA inactivation. UV-recirculator generates 100 volumes of the PCR per 1 hour air flow exchange giving maximum aseptic conditions inside the Box.

Specifications:

- UV-lamp (15W) ozone-free & 1 white lamp (15W)
- Long living UV lamps up to 8000 hours
- Radiation type Ultraviolet (253.7 nm), ozonefree
- Glass type Euroglass, (Germany)
- Thickness of glass sides 4 mm
- upper front panel 8 mm
- UV-protection film type 4 MIL CLEAR
- Optical transmission 95%
- UV protection 96%
- LED time controller of UV-exposure 0 - 24 hours/non-stop
- Working place 650x475 mm
- Overall size 690x515x555 mm
- Power 230 V, 50/60 Hz, 60W
- Weight, not more 34.7 kg

UVC/T-M-AR



Advantages:

- No hepa filters;
- Ozone free high density UV decontamination;
- Long living UV lamps (8000 hr average);
- Automatic open UV-lamps switch off when the protective screen is open;
- No noise, low energy consumption;
- Equipped with a flowing bactericidal air recirculator which provides constant decontamination;
- Compact "bench top" for personal labs;
- Optional table with drawer T-4.

Catalogue number

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|-------------------|---------------|--------------|---------------|
| UVC/T-M-AR | BS-040104-AAA | T-4 | BS-040101-BK |
| UVT-B-AR | BS-040109-AAA | UVT-B | BS-040110-AAA |

UVT-B-AR

New!



UVT-B-AR DNA/RNA UV-cleaner box

New model **UVT-B-AR** is a modified version of the UVC/T-M-AR UV-cleaner box. It has stainless steel working place and rear side, front panel of glass with UV-protection film, side walls of painted metal. The new model is equipped with 2 power sockets inside it.

UVT-B-AR (standard) - equipped with UV-recirculator for constant air decontamination inside the cabinet, while user is protected from direct UV-light during operation.

UVT-B (on request) - without UV-recirculator (2 open UV-lamps).