

GSR C1

Assembly and installation guidelines

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Gamma Irradiation Device

Guide for assembly and installation



General information about the irradiation device

- Weight: 2200 kg
- Footprint: 0,52 m²

To avoid a point loading we deliver a steel plate which has the dimensions of the placing area. For installation of the GSR C1 you need a sufficient floor loading capacity of the transport route and at the installation place.

All doors (on the transport route until to the installation room) must be at least 800 mm wide. The footprint of the installation room must be at least 2 m x 2 m.

Electrical connection

- Electrical supply: 100 – 240 V, 50 – 60 Hz
- Power consumption: approx. 150 VA

For a proper operation of the irradiation device two separate electric-circuits with according power-outlets are necessary:

- Electric-circuit 1: at least one safety socket (outlet) for the irradiation device
- Electric-circuit 2: three safety sockets (outlet) near the device for the PC working station

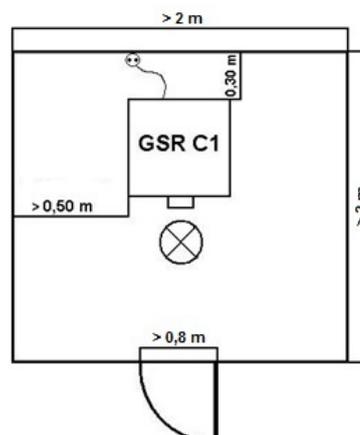
The distance between device and power-outlet should not exceed 1,5 m.

Room conditions

- Temperature: 15 - 35°C
- Relative air moisture: 45 - 75% without condensation
- Atmosphere pressure: 860 - 1.060 hPa (645-795 mm Hg)
- Air ventilation in the room: 5 renewals of air per hour (recommended)

Requirements on site

- Floor loading: approx. 5,20 t/m²
- Ceiling height: 2,50 m
- Room size: min. 2 m x 2 m



Site schema for the irradiation device GSR C1

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The device must be arranged for maintenance and service activities with the minimum distances to the walls in the room as shown in the figure.

Radiation protection

The Dose rate at the surface of the device is $< 5 \mu\text{Sv/h}$.

Fire and theft protection

Please pay attention to your national requirements! The coordination regarding fire and theft protection with the local fire department as well as with the appropriate authority are obligatory.

License for handling with radioactive material

Regarding the export of the radioactive radiation source(s) (included in the device) the appropriate handling permit must be submitted.

