

Assembly and installation guidelines for GSR C1

1. General information regarding 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 route of transport must be flat, cleared and without any steps. If these requirements are not fulfilled the customer must coordinate these things with Gamma-Service Medical before! The footprint of the installation room must be at least 2 m x 2 m and the height of the room must be at least 2,50 m.

2. 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.

3. Room conditions

Temperature: 15 - 35°C
Relative air moisture: 45 - 75% without condensation
Atmosphere pressure: 860 - 1060 hPa (645 - 795 mm Hg)
air ventilation in the room: 5 renewals of air per hour (recommended)

4. Requirements on site

Floor loading: 5.20 t/m²
Ceiling height: 2,50 m
Room size: min. 2 m x 2 m

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Site schema for the irradiation device GSR C1

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.

5. Radiation protection

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

6. 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!

7. 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.