

CHAMBERS FOR THE PRESERVATION OF THE DECEASED

The key part of the system for the preservation of the deceased is a **refrigerated chamber** made of sandwich PUR panels covered with 0.6 mm thick galvanized metal sheets lacquered white, or metal sheets made of corrosion-resistant steel 0.6 mm thick. The panel-connecting system allows simple installation and dismantling, as well as enlarging of the cabinet. The cabinet is fitted with an insulating hinged door, 800x1950mm (wxh).

The system was designed for preserving the bodies of the deceased in a temperature range between 0° and +2°C (if the funeral takes place within 7 days after death) or -10°C (if the funeral takes place later).

We also offer interior shelves, trays and lift carts in two versions: **S-standard** version for bodies weighing up to 130 kg, resting on 600x1920 mm trays, three or four levels in vertical layout; and the **R-robust** version for bodies weighing up to 220 kg, resting on 700x2200 mm trays or for coffins resting on trays (total weight up to 230 kg) on three levels.

The basic interior diameters of the chamber for the standard version (S) are 1000x2250x2200 mm (wxdxh); for the robust version the depth is 2500 mm (for other dimensions, see the table). The system can also be designed as a set of several joined refrigerated chambers. The chambers can be supplied according to the customer's specifications. The trays are fitted with roller tracks that allow the trays to be moved horizontally.

The preservation system includes a **lift cart** for transporting and putting the bodies of the deceased into the chamber. The cart has a double scissors mechanism, to which a roller conveyor is attached with a lock to fix the tray in position. The trays containing the bodies are lifted to the necessary height by a linear electric motor supplied by a 24 V battery. The cart can be connected to a 230 V / 50 Hz power grid.

The standard S version of the cart has a lifting capacity of 150 kg, the robust R version 260 kg.

The shelves, trays and lifting carts are made of corrosion-resistant steel.



Dimensions of the refrigerated chamber:



S series	exterior dimensions / interior dimensions mm (wxdxh)	R series	exterior dimensions / interior dimensions mm (wxdxh)
1 door	1150 x 2400 x 2350 / 1000 x 2250 x 2200	1 door	1150 x 2650 x 2350 / 1000 x 2500 x 2200
2 doors	2150 x 2400 x 2350 / 2000 x 2250 x 2200	2 doors	2150 x 2650 x 2350 / 2000 x 2500 x 2200
3 doors	3150 x 2400 x 2350 / 3000 x 2250 x 2200	3 doors	3150 x 2650 x 2350 / 3000 x 2500 x 2200
4 doors	4150 x 2400 x 2350 / 4000 x 2250 x 2200	4 doors	4150 x 2650 x 2350 / 4000 x 2500 x 2200

Various types of **refrigerating machines** are offered, depending on the required interior temperature and layout of the cooling system, always aiming to minimize energy requirements. Reliable and economical operation of the refrigerating unit requires the removal of condensation heat.

a) block layout

- compact refrigerating machine fixed to the ceiling of the cabinet, blowing cold air inside

b) split layout

- an evaporator cooling the air is located inside the chamber
- the condensation unit is located outside the chamber or even outside the room

c) refrigerating several cabinets

- an evaporator is located in each chamber
- a joint condensation unit for several evaporators is located in a machine room or outside the building



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