



MODULAR COLD ROOMS

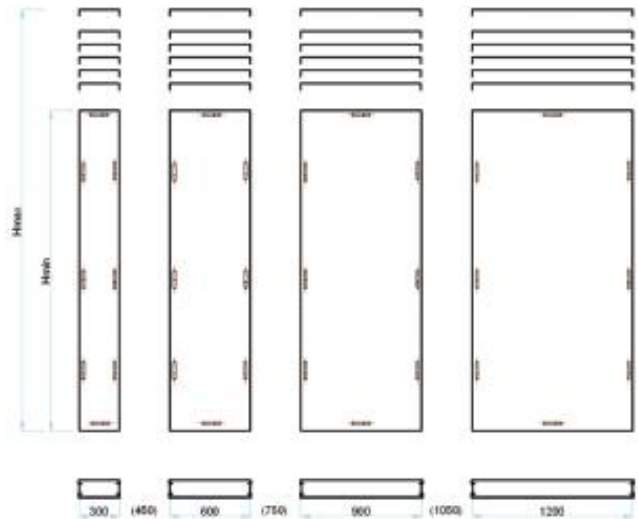


MODULAR COLD ROOM

They are designed for storing food products (milk and milk products, fruits and vegetables, meat, as frozen food storage and for quick freezing). We offer modular cold rooms in range of 15 different heights from 1800mm to 3900mm. Panels are made in three different thicknesses, with a cold room volume range of 2m³ up to 150m³. Such a large number of range sizes offers the possibility of maximal utilization of your space. Cold rooms are designed for filling the stocks with goods manually and indoor installation at an ideal leveled floor. Standardly, one door is mounted per cold room, but on customer request there is possibility for multiple doors per cold room.



Self-supporting sandwich type panels are consisted of rigid polyurethane foam inside 2 coated galvanized metal sheets thickness of 0.6 mm. Galvanized metal sheets are prepainted in RAL 9002 non-toxic paint, plus protective folio film. The panels are available in different sizes for modular system with the basic module 300 (150) mm to 1200 mm width and 3900 mm in length.



The **insulation material** is a two component mixture (polyurethane) with a thermal conductivity coefficient of $\lambda = 0.023 \text{ W/m}^2 \text{ K}$ and a density of 42 kg/m^3 . Depending on the temperature regime, they are made in three thicknesses, for which the technical characteristics are given in the table.

d (mm)	t (°C)	k (W/m ² K)	m (kg/m ²)
80	do 0	0.29	12.5
120	do -18	0.21	13.7
150	do -30	0.15	15.4

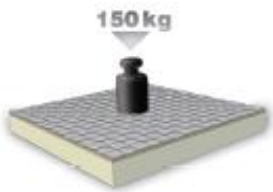
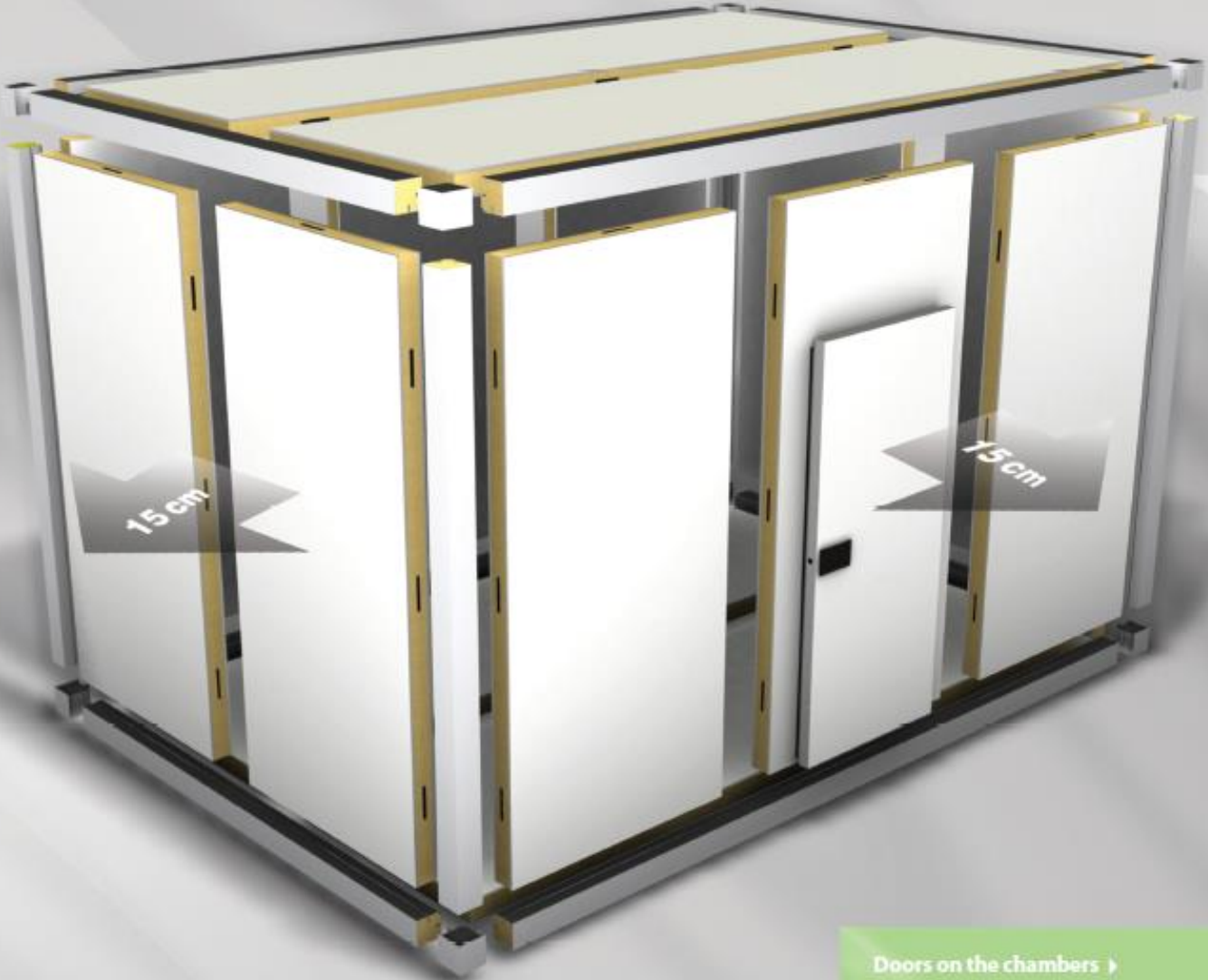


SOKO also manufactures NCF certified modular cold rooms. All NCF certified modular cold rooms have floor panels with profiled inox sheet 1mm thick on their inner side, and the coated galvanized metal sheet of 0,6mm thickness on the outer side of sandwich floor panels.

Cold room floors are sandwich type panels consisting of profiled galvanized metal sheet 1,25mm thick on the inner side, and the polyurethane filling with the galvanized metal sheet of 0,6mm thickness on the outer side.



DMS



Doors on the chambers →



At customer request the bearing capacity of the floor can be increased up to 150 kg by the addition of the chipboard 12mm thick beneath the the profiled galvanized metal sheet. The polyurethane filling is applied subsequently.

Cold room housing frame is separable construction consisted of PVC profiles and corner elements. Specially designed for easy cleaning, satisfies the HACCP requirements.



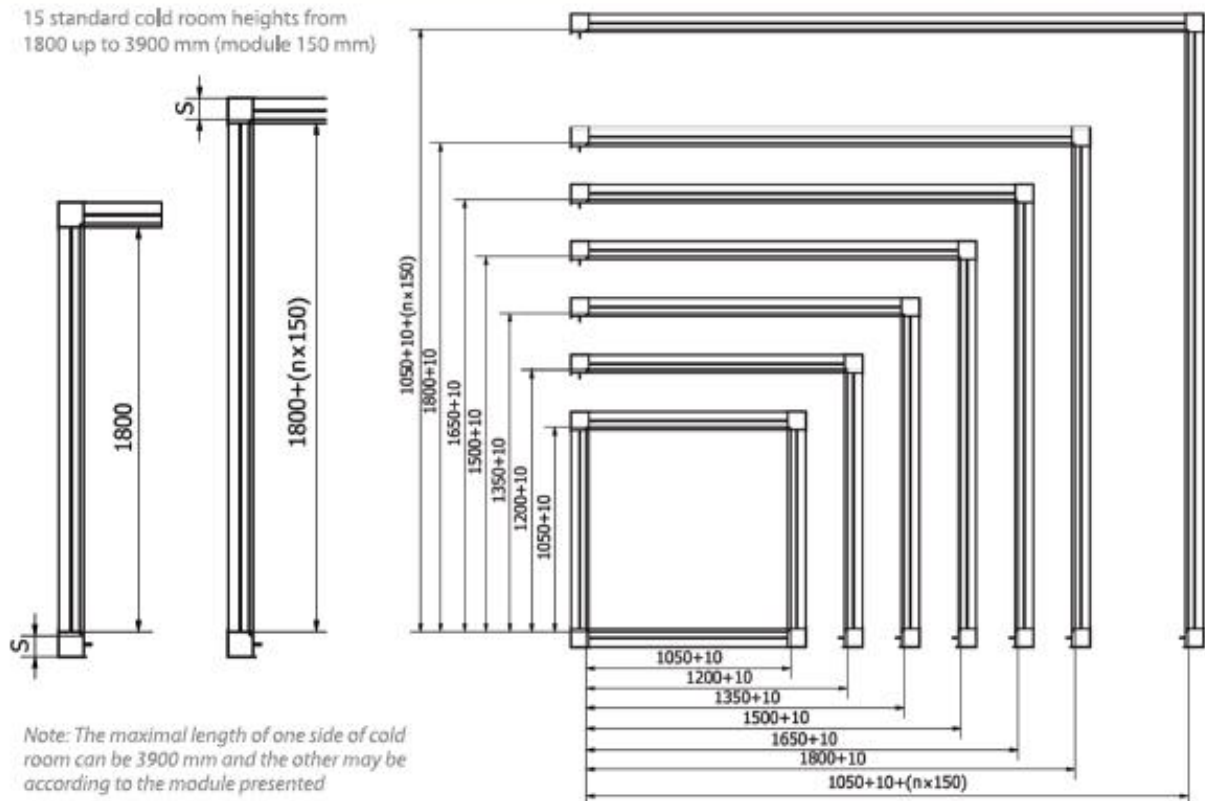
The connections panel to panel, and panel to the pillar profile are easily accomplished with dual effect camlocks, and are very thermally efficient and hygienically impeccable. Camlocks are cast into the polyurethane sandwich panel.

The cold rooms panels for MT regime, when the NSF certified cold room is not mandatory, can be made without floor panels, and are mounted on specially designed profiles. The profiles are designed for easy cleaning.



MODULARITY AND DIMENSIONS

15 standard cold room heights from 1800 up to 3900 mm (module 150 mm)



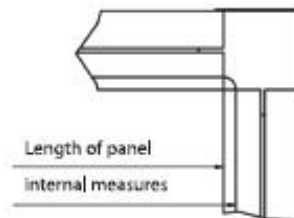
Note: The maximal length of one side of cold room can be 3900 mm and the other may be according to the module presented

Doors on the chambers are made of anodized aluminum frame and sandwich panel filled with polyurethane.

Doors are made in three standard sizes:

- 700 x 1920 mm
- 800 x 1920 mm
- 900 x 1920 mm
- 1000 x 1920 mm

At request the door can be custom made.



Profiles and corners are with radius, the radius of curvature is 5 mm, so that the internal dimensions of the chamber are increased by 10 mm over all dimensions of the panel.

Depending on the temperature regime, the panels are made in three different thicknesses:

S = 80 mm S = 120 mm S = 150 mm



inner dimensions of the cold room = total length (width) of the panel + 10
external dimensions of the cold room = inner length (width) of the chamber + 2S