

General quality characteristics for FUNERALIA body and coffin mortuary refrigerators



Body/coffin cold chambers

in a cellular design with large or small lockable doors, for accommodating the deceased.

Design:

Self-supporting, stable construction of at least 8 parts, **easy to disassemble**, consisting of floor, wall and ceiling **sandwich-panel elements** with self-centring groove and spring sealing system. The interior and exterior cladding of the wall and ceiling elements are made of steel sheeting with a zinc/aluminium coating, with white RAL 9002 synthetic paint and protective film. The floor elements below have galvanized sheet steel cladding with a polyester powder coating, **the top** of the

(design or specifications subject to change without notice)

floor elements in the variant with **large doors** is in slip-embossed chrome/nickel steel trim (AISI 304) and a floor construction that can take wheel loads of up to 30,000 N/m². **For the small door version, the upper side** of the **floor elements** is chrome/nickel steel (AISI 304) with a ground surface. All wall and ceiling elements contain no wood at all. The edges have foam to protect against corrosion, the door frame elements fit flush against the wall elements, the end elements are chamfered on the front and/or long sides and have a homogenous foam layer; the connections between the elements - including the connections for partitions and screens and so forth - also use a groove and spring system. Thermal insulation of the elements is provided by hardened polyurethane foam with an environmentally friendly propellant, **CFC-free** according to the Halogenated Agents Decree, with a foam density of approx. 45 kg/m³. To obtain optimum K values, the wall thickness (insulation) is 80 mm (for normal cooling at +2 °C to +4 °C).

All **doors** have heavy-duty fittings and security locks made of chrome-plated brass. The version with large doors has **emergency opening devices**. The door elements have thermal breaks: the door panels (wall thickness 80 mm) are built in so that they half overlap; they have easily replaceable **hollow chamber seal profiles** to ensure good contact pressure and a proper seal. There are optional door stops.

Internal lighting is splash-proof, operated from the front using a switch with an indicator light.

Refrigeration equipment (standard version): Mounted at the ceiling (other positions optionally available), air-cooled, 100% **CFC-free**, refrigerant FRIGEN R 134 a or 404 A. Built-in ON/OFF switch at the front with an indicator light. Factory-set temperature of +2 °C to +4 °C (normal cooling). Temperature control and defrosting are automatic. Electrical connection: 230V/1/50Hz, optionally 400V/3/50Hz, including electronic regulation of the refrigeration with a multifunctional digital display and optical and acoustic warning signals.

Cell dimensions:

Width: Continuously variable - to be agreed

Depth: 2310 mm

Heights: 2260, 2360, 2460, 2560, 2660, 2760 mm

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Options for large doors:

WxH:	approx.	800 x 1900 mm
WxH:	approx.	800 x 2100 mm
WxH:	approx.	1000 x 1900 mm
WxH:	approx.	1000 x 2100 mm
WxH:	approx.	900 x 1900 mm
WxH:	approx.	900 x 2400 mm

(Other door dimensions on request)

Options for small doors:

WxH:	approx.	680 x 480 mm
WxH:	approx.	850 x 580 mm
WxH:	approx.	900 x 850 mm

(Other door dimensions on request)

Accessories and options:

Deep-freeze cell variants down to -20 °C, -30 °C and -40 °C are available on request.

Refrigeration controller (electronic) with potential-free output for connection to a BMS.

Door contact switch

Interior and exterior cladding made of stainless (chrome/nickel) steel (AISI 304)

Panels with and without machine grating, matching the surface

Name card holder

Drain built into the floor element for condensation and cleaning water

Cell floor blended with radius R 10 to the ascending walls (for better cleaning of the cell)

Bull bar of chrome/nickel steel (AISI 304) of square tubing at the front, attached to the mortuary refrigerator (as collision protection for the trolley)

Pass through version

Lead lining for contaminated bodies

Water-cooled refrigeration

Water-cooled refrigeration unit located in the machine room

Refrigeration unit mounted outside of the building with weatherproof enclosure and winter fittings

Fully hermetic and semi-hermetic construction

Composite systems for multiple refrigerated/deep-freeze units

FUNERALIA has the technical knowledge and experience for calculating and dimensioning refrigeration units for use in tropical regions at ambient temperatures of up to +49 °C. Please ask about our references or ask us any questions you may have.

We reserve the right to make technical changes.

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