

Cold Storage Rooms +8 / -70°C

More than 200
combinations for
cold rooms



ARCTIKO

Choose your favorite

More than 200 combinations for cold storage rooms

Arctiko supplies a range of more than 200 standard models of cold storage rooms.

The range is based on two lines: 80mm and 100mm of thickness; within these lines it is possible to choose the product that fits your application: for capacity, dimensions, and or temperature range 0 / +8°C to -10 / -70°C.

They are modular and are produced with panels of 80 mm and 100 mm of thickness. The range of models includes mini cold-rooms from 1,84m³ up to 36 m³ of capacity.

The internal and external finish is manufactured with white skim-plated metal sheet, ideal for alimentary ambience. The insulation of the modular panels is made of high density polyurethane, which is HCFC free.



Super Freezers -60°C



Case: Cold Room installation for satisfied Irish customer

We just finished a state of the art cold room installation in one of the world most advance biological manufacturing facility in Ireland.

Unique temperature uniformity, also during defrost cycles, installation without disturbing during manufacturing, provide documentation for validation purpose and many more request from the customer, made the installation challenging, and we are proud to say that the installation was well received and is according to the customers request and expectations.



Picture from the installation in late 2010.

Customer specific cold rooms with focus in customers needs and our focus in being flexible towards solutions make ARCTIKO Engineering not only a supplier, but a partner in the design phase and during implementation.

Cold Storage Rooms -40 / -60 / -70°C

Arctiko Project Department offers complete cold storage solutions such as

- Semi mobile storage room -60°C
- Cold storage room -60°C
- Transport container -60°C
- Distribution Van -60°C
- Mobile distribution room -60°C

We specializes in customer specific refrigeration solutions, whenever the purpose it is for blast freeze, storage room or local distribution unit with:

- Low maintenance cost
- Low power consumption
- High insulated room
- Simple design
- Accurate temperature control
- Temperature logging for documentation
- Microprocessor controller with multi language.
- Complete with light and emergency alarm system

Easy and quick assembly

The assembly is fast and easy due to the integral double locking system (typically 1-2 hours). The floor is plastic coated steel or in stainless steel properly formed (anti-sliding) with radial internal corners.

For 80 mm panels, the dimensions are modular of 300 mm in length from 1160 to 5960 mm, width from 1160 to 2960 mm all with three different heights of 2000, 2160 and 2360mm.



For 100 mm panels, the dimensions are modular of 300 mm in length from 1200 to 6000 mm, width from 1200 to 3000 mm all with five different heights of 2040, 2200, 2400, 2700 and 3000 mm.



The door standard measure is 710x1740 or 710x1900 mm and is provided with key lock with safety handle inside. Optional on request the door is available at 1010 mm.

External side along the base border made of Stainless Steel AISI 304.

Standard walk-in: zinc-plasticated floor, anti-sliding; anti-condensing heater on the door; compensation-valve.

Pressure Relief Valve fitted to refrigerator Unit. On request the interior and/or exterior can be supplied in Inox steel.

Options

Several accessories are available such as:

- Ramps hooking system for trolley 710mm or 1010 mm
- Shelves in stainless steel
- Wall glass
- Hinged glass doors
- Sliding doors
- PVC stripe curtain for door opening 710mm or 1010mm



Accessories

Refrigeration units

REMOTE COOLING UNITS (SPLIT SYSTEM)

The main characteristic is that they are built in two parts. The condensing part, for installation on the floor, outside the cold room and the evaporating part to be installed on the ceiling, inside the cold room. The hermetic compressors work with R404A gas and the operating power can be 230/1/50 or 400/3/50.

Other features:

- Floor mounted condensing unit
- Inox finishing body
- Ceiling mounted evaporator (white skim plated finishing body)
- Capillary expansion
- Digital control
- Light
- Remote control panel (supplied with 5 meters cord) manufactured in conformity of the international safety regulation
- Cable for door heater connection (freezer units only)
- Switch for evaporator fan and light
- Low pressure pressostat on all models
- Max pressure pressostat on three-phase unit
- Drain pipe of condensing water

WALL MOUNTED UNITS

The wall mounted unit is developed to save the space inside the storage room. The customer is free to choose the desired position. The hermetic compressors work with R404A gas and the operating power can be 230/1/50 or 400/3/50. On request other voltage/hertz is available. The expansion of the gas is made with capillary tube. Condenser and evaporator coil are built in copper tube with aluminum winged body. The electrical board panel is manufactured in conformity of the international safety regulation. The cooling units are supplied with 3.5 meters power cord.

Other features:

- Galvanized inox finishing steel body
- Automatic evaporation of defrost water
- Digital control
- Light
- Switch for evaporator fan and light
- Electric defrost up to 14 cubic meters
- Hot gas defrost system over 14 cubic meters
- +43°C ambient temperature



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