

Skadi® Green Line

**Ultra Low Freezers
Unique Selling Points**

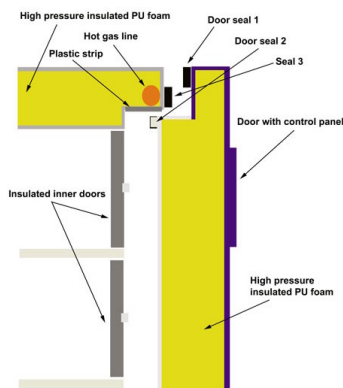


Lowest noise level in the market

WhisperFreeze® Technology

- Skadi® use quiet running fans with plastic blades. Even on the long term you will never hear the screaming sound of scratching metal to the housing;
- For our Skadi® green line we only use our own developed compressors in combination with 100 % pure ecological refrigerants. This combination stands for smoothly running compressors with the lowest power consumption and noise level in the market;
- Our 1131 compressors have 5/4 HP of cooling capacity. This means in average only 50 % of the time the compressors need to be running!
- The Skadi® copper cooling tubing design is located on all sides, top and back of the freezer cabinet. Due to the long copper evaporating tubing the pressure in the cooling system are very low (more distance will cause the pressure to divide which results in lower pressures). Everybody understands the fact that low pressures mean lower workload and lower noise will come from the compressors.

Perfect Fit System® maximum door sealing and best isolation



Unlike the traditional flat sealing doors, Skadi uses an additional 70 mm extended part which fits perfectly as a seal inside the cabinet. We use the hot gas lines to heat up the cabinet seal to prevent ice forming. A total of 3 separate gaskets make the Perfect Fit System® ensure low ice and tight door closure. Cold air loss is minimized by insulated inner doors (HDPE).



3 separate gaskets

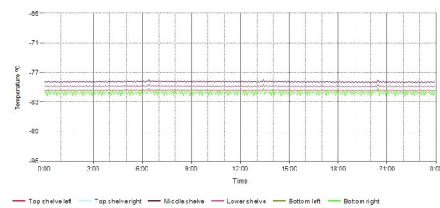
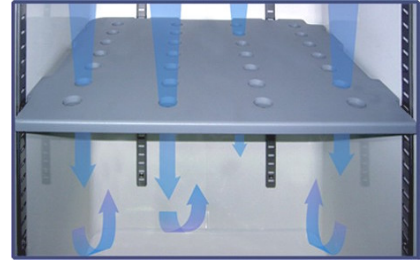
The theory behind the Perfect Fit System®

Unique HDPE shelves for better temperature uniformity

To continue our leadership in innovation in the market we designed the HDPE shelf system. HDPE is the high density version of PE plastic. It is harder, stronger and is highly corrosion resistant. Using HDPE as material we were able to add shelf air circulation holes which increase the temperature uniformity between the compartments.

Benefits HDPE shelves:

- Corrosion resistant;
- Scratch tolerant;
- Chemically resistant;
- Non toxic making it environmentally safe;
- High temperature uniformity;
- Lightweight;
- Strong and Durable;
- Freeze resistant (down to -120°C);
- Abrasion resistant;
- Fully interchangeable with existing shelves;
- Handles easily 50 kg of load.
- Shelf flatness guaranteed even at heavy loads.
- **Temperature uniformity better than +/- 3°C, see graph =>**



With the Skadi® concept a lot of options come as a standard

By downgrading the number of options by upgrading the standard features of our Freezers we prevent confusion for customers and sales people. Our customers can expect an Advanced Freezer loaded with high-end possibilities whilst paying the price of a Basic!

Following options come as a standard with Skadi:

- Eye Level Control;
- multi-position key switch: on, off and set;
- bright, easy to read, digital display;
- readout option in 1 and 0.1 °C increments;
- key protected menu;
- adjustable temperature set point;
- audible and visual high / low temperature alarm;
- power outage alarm with battery backup;
- voltage indication and stabilisation booster;
- clean filter alarm;
- door alarm (also for CO₂ backup System);
- remote alarm (NO/NC/COM);
- RS232 / RS485 port (free software to download);
- service friendly plug & play detachable cable housing;
- ROHS compliant;
- Interior with rounded corners (incubator style interior);
- Adjustable shelves;
- 3 standard ports (for CO₂ backup, additional sensors for validation and alarm);



Additional Benefits:

- Fast, flexible and personal reply to all your questions and requests;
- European Warehouse with stock of units and spare parts for fast deliveries.