

Portable ultra low temperature freezers

Skadi[®]

-45° C and -86° C



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Skadi[®] Europe

Skadi® Portable ultra low temperature freezers

The Skadi® portable stirling freezers are available in two temperature ranges: -45°C and -86°C. Our freezers require only 12 Volts input and use less than 150 Watts of power. In fact, the Skadi® Portable can be powered by a standard 'cigarette lighter' port in a car or by a UPS power supply.

The Free Piston Stirling Cooler (FPSC) is a device which excludes the use of heavy and space consuming compressors. Gas bearings allow the only two moving parts of the system to 'ride on a cushion of air' keeping the running surfaces from making contact while the machine is operating. This results in a stable, low power and low noise freezer.



Model SF4025

Performance features

- Very reliable stirling cooling system, only 2 moving parts;
- True portability, only 18 kg (empty);
- Maintains temperature during travelling in your car;
- Low power consumption;
- Low noise level;
- Large temperature setting range;
- Easy to clean condenser filter;
- Lockable lid with 2 door seals;
- Easy backup solutions using a UPS power supply;
- Easy-grip handles.

Possible Applications

- Internal transport between departments / buildings;
- Transport of Stem cells, tissue or other DNA material;
- Veterinary field transport and storage;
- Clinical trials;
- Personal storage (clean rooms / special projects);
- Great alternative to dry ice.



Model no:	SF4025	SF8025
Capacity	25 l	25 l
Temperature range	+10 °C to -45°C (factory set on -40°C)	-20 °C to -86°C (factory set on -80°C)
Microprocessor	Adjustable set-point, audible/visual temperature alarms	
Noise level according NEN-EN-ISO 11202	45 dB(A)	45 dB(A)
Cooling System	Free Piston Stirling Cooler (FPSC)	
External Dimensions W x D x H mm	695 x 350 x 460	695 x 350 x 460
Internal Dimensions W x D x H mm	335 x 225 x 340	335 x 225 x 340
Cabinet material	Strong plastic outer case, aluminium interior	
Insulation	Vacuum panel technology	
Electrical	DC 12 V or 100-240 V, 50/60 Hz	
Average power consumption	0.06 kWh 1.44 kWh / 24 h	0.12 kWh 2.88 kWh / 24 h
Net weight	17 kg	18 kg
Shipping weight and dimensions W x D x H mm	28 kg 900x600x700	29 kg 900x600x700