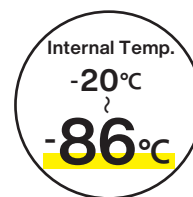


Portable Ultra-Low Temperature Freezer

SC-UF25



A Compact -86°C Freezer for transportation of samples to/from the lab.

Flexible Temperature Control

- Settable from -86°C to -20°C
- Adjustable control in 1°C increments to meet storage needs in research and medical fields

Compact Design for Ease of Use

- Operates on 100–240V AC power
- Easy to transport and install in laboratories, testing rooms, and medical facilities
- 25kg portable design

Dependable Quality, Made in Japan

- Quality is carefully controlled from design through manufacturing
- Comprehensive maintenance and support help keep the freezer operating reliably over time

Efficient, Helium-Based FPSC Cooling

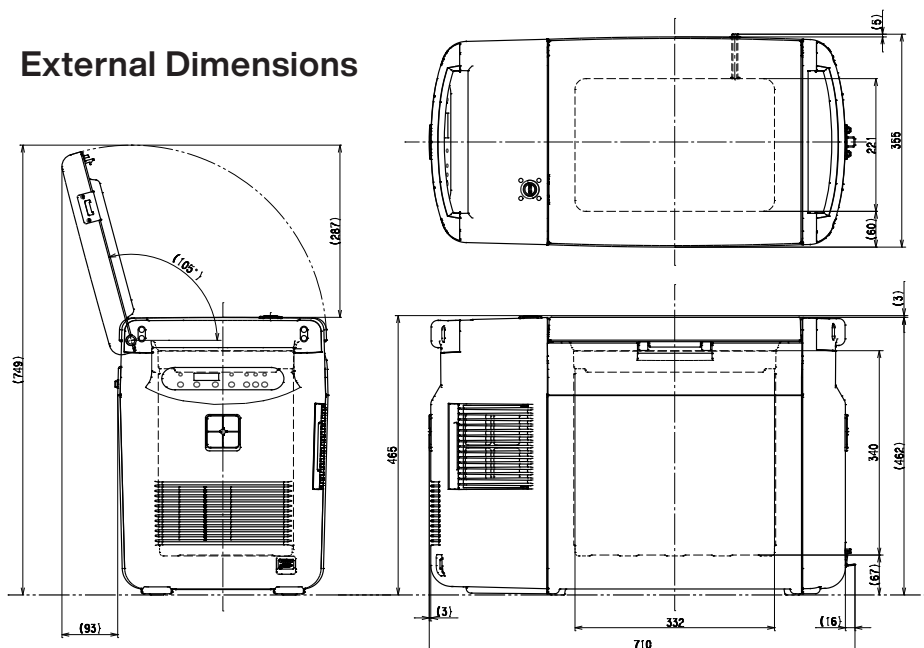
- Uses a Stirling cooler with helium as its working gas
- Low vibration and low power consumption support a more comfortable, energy-efficient lab

FPSC (Free-Piston Stirling Cooler)

This CFC-free system uses helium as its working gas. TWINBIRD brought the technology to market through the skilled craftsmanship of Japan's Tsubame-Sanjo region.



External Dimensions



Interior View



Control Panel

Item	Specification
Product Name	Portable Ultra-Low Temperature Freezer
Model	SC-UF25
Cooling System	Free-Piston Stirling Cooler (FPSC)
Temp. Range	-86°C to -20°C (at ambient temp. up to 32°C)
Ambient Temp.	+5°C to +40°C
Ext. Dimensions	695 × 350 × 460 mm
Int. Dimensions	335 × 225 × 340 mm (incl. Inner-lid)
Capacity	25L* Including Inner-lid (Holds 10×2" boxes, or 8×3" boxes [6 with rack])
Weight	Approx. 25kg
Inner-Lid	Expanded PS / PE
Insulation	Vacuum Insulation Panels (VIP) & PU Foam
Power supply	AC 100-240 V, 50/60 Hz
Power Consumption (Provisional)	Max. 280W (Steady state: 150 W)
Access port	1 port on rear (Φ6.5mm)
Security Lock	Key lock mechanism
High-temp. alarm	Yes
Low-temp. alarm	Yes
Control panel lock	Yes
Remote Alarm Contact	Yes
Included	Protective mat, Inner-lid, User manual, Silicone Stopper, Key (2 pcs)

※ Specifications subject to change without notice.
 ※ All data measured under TWINBIRD test standards.

Warranty

- Contact distributor directly
- Warranty covers unit repair only; stored samples are excluded from liability.

Disclaimer: The SC-UF25 is for research, laboratory and life-science cold-chain use only. It is not registered under the EU Medical Device Regulation and is not intended for diagnosis, treatment, clinical decisions, or patient care.



Safety Precautions

- This device is for indoor use only. Use the device in a place protected from rain and moisture.
- Operating the device outside the ambient temperature range of +5°C to +40°C may cause malfunction.
- Please read the Operating Manual before use.
- Always read and follow all caution labels before use.
- For cold storage only; do not use for rapid or flash freezing.

Tsubame-Sanjo : A Heritage of Manufacturing

Tsubame-Sanjo region in Niigata Prefecture is renowned for its precision metalworking and manufacturing expertise. Working with the region's skilled craftspeople, TWINBIRD creates innovative products that inspire confidence and deliver dependable performance.



Inquiries & Contact

E-mail: fpsc@twinbird.co.jp

https://www.twinbird.jp/fpsc_en

