UPRIGHT ULTRA-LOW FREEZER

UCF-25.7-86-UL

25.7 Cu Ft -86°C Upright Ultra-Low Freezer

A cascade refrigeration system with two SECOP compressors reaches -86°C at the cabinet center and covers a -40°C ~ -86°C temperature range in 728 L (25.70 cu ft) of storage. A 7" LCD touch screen, Pt 100 sensor, USB data download, and a broad alarm suite with 72h battery backup help protect vaccines, enzymes, cell lines, and other high-value samples.

- **Cascade refrigeration.** Two SECOP hermetic compressors with R-290 and R-170 hydrocarbon refrigerants.
- **Touch screen control.** 7" LCD touch screen with microprocessor control and Pt 100 sensor.
- **Comprehensive alarms.** Temperature, power failure, voltage, sensor, and door ajar alarms with 72h backup.
- **High-density storage.** Holds 504 two-inch boxes, up to 50,400 2ml samples.
- **Data and remote access.** USB download of 10000 temperature records plus RS232/485 remote alarm.

MODEL UCF-25.7-86-UL



-86 to -40 °C	728 L	3	504	50,400
TEMPERATURE RANGE	STORAGE CAPACITY	ADJUSTABLE STAINLESS SHELVES	2 INCH BOX CAPACITY	2ML SAMPLE CAPACITY

Technical Specifications

Model **UCF-25.7-86-UL**

TEMPERATURE

Temperature range	-40°C ~ -86°C
Control range	-60°C~-86°C (ambient 32°C, no-load)
Cooling performance	Cabinet center -86°C (ambient 32°C, no-load)
Recommended setpoint	Between -70°C and -80°C

REFRIGERATION

System	Cascade system
Compressors	SECOP/2, hermetic type
Refrigerant	HC; High: R-290, Low: R-170
Defrost	Manual

CONTROLS AND ALARMS

Controller and display	Microprocessor; 7" LCD touch screen
Temperature sensor	Platinum resistance (Pt 100)
Data logging	USB download of recent 10000 records; 5min or 15min interval
Alarms	High/low temperature, power failure, abnormal voltage, sensor error, door ajar, low battery
Power failure backup	72h (alarm)

CABINET

Interior	SUS304
Exterior	Color sprayed steel
Insulation	PURF+VIP
Shelves	3 adjustable stainless steel, 40kg/shelf
Access port	1/25mm

ELECTRICAL

Power supply	110V/120V 60Hz
Power	710W
Current	8.48A
Certification	CE, UL

DIMENSIONS

Exterior (W x D x H)	41" x 38" x 78.5" (1248 × 975 × 1994.5 mm)
Interior (W x D x H)	38" x 22" x 53" (963 × 571 × 1350 mm)
Net weight	863 lb

ORDERING INFORMATION

CATALOG NO.	DESCRIPTION	ELECTRICAL
UCF-25.7-86-UL	25.7 Cu Ft -86°C Upright Ultra-Low Freezer -40°C ~ -86°C, 728 L, 7" LCD touch screen	110V/120V 60Hz 8.48A, 710W

IDEAL APPLICATIONS

Vaccines · Enzymes · Cell lines and tissues · Reagents and reference standar · Biobanks · Hospitals

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