



-86°C ULTRA-LOW TEMPERATURE FREEZER



1. 제품군



NU-99728
Ultralow Temperature Freezer

Model	Configuration	Interior Volume
NU-99388	Upright	388 L / 11.9 ft ³
NU-99486	Upright	486 L / 17.1 ft ³
NU-99578	Upright	578 L / 20.4 ft ³
NU-99728	Upright	728 L / 25.7 ft ³
NU-99828	Upright	828 L / 29.2 ft ³
NU-99420	Chest	420 L / 14.8 ft ³

Capacity

ULT Model	Rack Model	Rack Configuration	Rack Capacity	# of 5 cm (2") 2 ml Fiberboard Boxes in Racks	# of 2 ml Sample Vials, 5 cm (2") Box, 100 Cell Dividers
NU-99388	DCJ-44B	4 Row / 4 Column	6	96	9,600
NU-99486	DCJ-54-B	5 Row / 4 Column	16	320	32,000
NU-99578	DCJ-55-B	5 Row / 5 Column	16	400	40,000
NU-99728	DCJ-55-B	5 Row / 5 Column	20	500	50,000
NU-99828	DCJ-55-B	5 Row / 5 Column	24	600	60,000
NU-99420	DCJ-10-A	10 Row / 1 Column	27	270	27,000

2. 특징



NU-99728
Ultralow Temperature Freezer



- CFC-FREE(HFC) 냉매를 사용
- 자가진단 시스템 적용
- 4중 멀티 가스켓 적용
- 4중 내부 도어 적용
- Remote Alarm systems
→ RS232, RS485 port 기본장착
- Battery Backup
→ 전원 이상 시 알람 확인
- Data logging
→ 온도, 전압, 문열림 등 USB 데이터 백업기능
- 저소음 (49db)

2-1. 상세특징

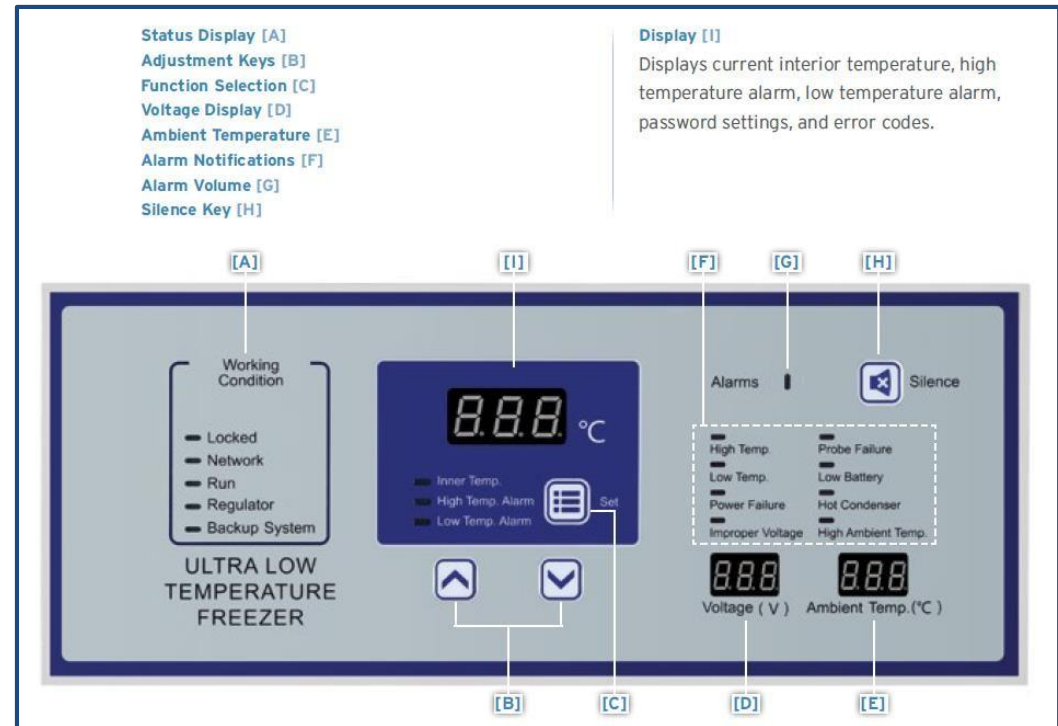
자가진단 시스템

Blizzard Electronic Control System 적용

→ 직관적인 모니터링 가능 (

전압, 온도, 문열림, 배터리 등)

→ 자가진단 시스템에 의한 모니터링



2-2. 상세특징

내부 온도 보호 기능



4중 멀티 가스켓 적용

→ 강력한 내부온도 보호



4중 내부 도어 적용

→ 효과적인 내부온도 보호

2-3. 상세특징

Monitoring Systems

RS232, RS485 port 기본장착

→ Building Monitoring에 필요옵션

USB Port



USB Port 를 통한 모니터링

→ 온도, 문열림, 전압 등

→ Excel 파일로 확인 가능

2-4. 상세특징

Battery Backup



전력 및 주 전원 이상 시,
보조 배터리를 통한 알람 시스템

Pressure Equalization Port



압력 포트를 통한 빠른 문 열림
샘플 포트를 통한 모니터링 기능 장착

3. 기타(옵션)

Accessories

Part Number	Accessories / Options
HAI-960	Chart Recorder 7 day, 6" Circular - Factory Install
HAI-219	Chart Recorder Replacement Paper (52 Charts)
HAI-UB2I	CO ₂ Back-Up Kit - Field Install
HAI-UBN2	LN ₂ Back-UP Kit - Field Install
HAI-6936	Cryo Cloves (72mm)

4. 상세규격

Specifications

Model	Configuration	Interior Volume	Interior Dimensions (W x D x H)	Exterior Dimensions (W x D x H)	Temperature Range	Net Weight	Electrical Configuration*
NU-99388	Upright	388 L 11.9 ft ³	465 x 630 x 1165 mm 18.3 x 24.8 x 45.9 in	812 x 893 x 1846 mm 32 x 35.2 x 72.7 in	-40°C to -86°C	238 kg 525 lbs	GA: 115V / 60 Hz G: 220V / 60 Hz E: 230V / 50 Hz
NU-99486	Upright	486 L 17.1 ft ³	590 x 630 x 1310 mm 23.3 x 24.8 x 51.6 in	945 x 900 x 1980 mm 37.2 x 35.4 x 78 in		290 kg 639 lbs	GA: 115V / 60 Hz G: 220V / 60 Hz E: 230V / 50 Hz
NU-99578	Upright	578 L 20.4 ft ³	620 x 716 x 1310 mm 24.4 x 28.2 x 51.6 in	895 x 980 x 1980 mm 35.4 x 38.6 x 78 in		300 kg 661 lbs	GA: 115V / 60 Hz G: 220V / 60 Hz E: 230V / 50 Hz
NU-99728	Upright	728 L 25.7 ft ³	766 x 716 x 1310 mm 27 x 28.2 x 51.6 in	1041 x 980 x 1980 mm 36.7 x 38.6 x 78 in		345 kg 761 lbs	GA: 115V / 60 Hz G: 220V / 60 Hz E: 230V / 50 Hz

Features

NU-99828

NU-99420

Standard Features:

Balanced cascade refrigeration system
Microprocessor control system
USB data logging port
RS 485 contract point
RS 232 contact point
Ambient temperature display
Multi-check alarm system w/ ring back
Self check diagnostic system
Line voltage display

Auto line voltage compensation
Compressor delay protection
Low voltage booster
High voltage protection
Noise level ≤ 50dba
Vacuum insulated non-CFC polyurethane foam insulation
4 inner shelves (3 adjustable/1 fixed)
4 insulated sealed inner doors w/ claw latch (NU-99486, NU-99578, NU-99728, NU-99828)

2 insulated sealed inner doors w/ claw latch (NU-99388)
Multi-point gasket system
Heavy duty outer door claw latch
External door lock
Pressure equalization port
Battery backup (Up to 72 hour life)
Accessory port back wall (25.8 mm diameter)
Quantity 4 Casters
Quantity 4 Leg Leveling Feet
Defrost scraper (Qty 1)