GLACIER

-86°C ULTRALOW TEMPERATURE FREEZERS

NuAire, Inc. | 2100 Fernbrook Lane | Plymouth, MN 55447 | U.S.A. | 763.553.1270 | WWW.NUAIRE.COM

Environmentally Safe

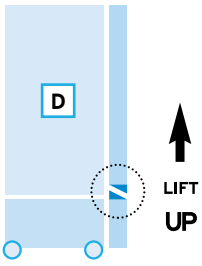
- HFC (CFC-Free) Refrigerants
- (CFC-Free) Polyurethane Foamed In-Place Insulation
- Low Noise Operation 47 dB(A)
- Efficient Design Compressors

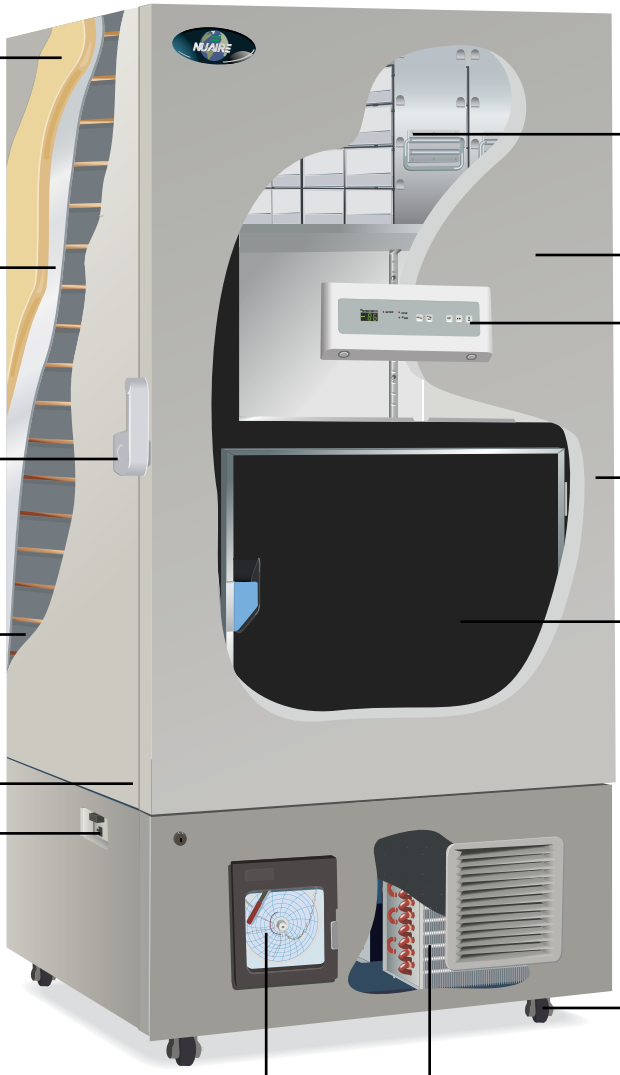
Controls

- Alarm System
- High / Low Temperature Alarm
  (±5°C to ±20°C adjustable)
- Remote Alarm Dry Contact
- Continuous Self Diagnostics
  (sensors abnormality)
- Battery Check
  (battery replacement recommended)
- Self Diagnostic Features
- Microprocessor Controls
- Automated CO_2 Back-up System
- Filter Check
  (filter replacement recommended)
- Compressor Time Delay
  Adjustment 2-15 min.
- Temperature Zero Adjustment
- Remote Alarm Delay Adjustment

Ergonomics and Safety

- Eye Level Control Center
- Single Cam-Action Outer Door Catch
- "Claw" Inner Door Latches **A**
- Halo Bypass Coil Frame Heater
  (minimizes gasket frost buildup)
- Adjustable Chamber Shelves **B**
- Deadbolt lock with key **C**
- Slide-in-Place Outer Door **D**
  (lift up feature)
- Audible and Visual Alarms
- Backup Redundant Systems
- Internal Chamber Pressure
  Release Gasket
- Exterior Door Latch **E**
  (durable, reliable mechanism)





Cabinet Insulation

Minimum 5" (12.7 cm) CFC-free foamed-in-place urethane, closed-cell, for thermal protection and structural strength

Aluminum Tape

Increases evaporator surface

Access Ports

One port on back side for CO_2 back-up,
One port on bottom for recording (17mm diameter)

Door Handle / Latch

Rugged, one-handed operation, fastener for padlock

Evaporator

Tube on sheet type

Gasket

Multi-point seal

Remote Alarm Dry Contacts

Power switch, battery back-up alarm

Refrigeration System

Custom engineered compressors, high performance lubricants

Low Profile

Upright design

Inventory Racks

Optional, stainless steel with fiberboard boxes and dividers

Heated Door Seals

Hot gas minimizes frost build-up around door gasket

Control Center

Microprocessor control at eye level

Outer Door

Minimum 3" (7.6 cm) high strength foamed-in-place urethane insulation

Insulated Inner Doors

High impact plastic with recessed handle

Condenser Fan

Durable fan with aerodynamically designed fan blades

CFC-Free Refrigerants

High stage R407D (HFC)
Low stage R508 (HFC)

Heavy Duty Casters

For mobility as required

Air Cooled Condenser

Large surface area, copper tube, aluminum fins

Recorder

Optional Cobex® system with mounting plate

Washable Pre-filter

Protects condenser fins against dust build-up

NU-9000 Series -86°C Ultralow Temperature Freezers

Specifications	Model	Ft.³ / Liters	Electrical	Dimensions (Exterior W x D x H)	Dimensions (InteriorW x D x H)	Shipping Dims.
	NU-9483GC	**17.1 / 483**	**220V 60 Hz**	**35.0 x 34.5 x 78.3 in.**	**24.8 x 23.6 x 50.4 in.**	**85.8** ft³
	NU-9483E	**17.1 / 483**	**230V 50 Hz**	**890 x 876 x 1990 mm**	**630 x 600 x 1280 mm**	**2.43** m³
	NU-9668GC	**23.6 / 668**	**220V 60 Hz**	**44.5 x 34.5 x 78.3 in.**	**34.3 x 23.6 x 50.4 in.**	**105.9** ft³
	NU-9668E	**23.6 / 668**	**230V 50 Hz**	**1130 x 876 x 1990 mm**	**870 x 600 x 1280 mm**	**3.00** m³

*Specify model with appropriate letter suffix for electrical specifications. "NU-9334E" for 230 VAC / 60 Hz

Features

Standard Features

- GC model includes voltage booster
- CFC-free foam insulation 127 mm [5 Inches]
- Access port
- Heavy-gauge steel cabinet
- Heavy-duty swivel casters
- Claw-like inner door latches
- Key lock
- Two [2] air insulated inner doors
- Four [4] compartments
- Four [4] shelves – Three [3] adjustable
- Multi-point gasket seals
- Eye-level controls
- Four [4] year parts only warranty (International)
- Two [2] year parts and labor warranty (U.S. and Canada)

Optional Features

- Cobex® temperature recorder
- CO_2 back-up system [NU-UB2]
- Painted steel interior
- Surge suppressor
- Cryo gloves
- Floor anchor system
- Inventory system

Electrical Requirements

- 220V 60Hz; 230V 50Hz
- All single phase

Temperature Control System

- Microprocessor control system
- Digital temperature display
- Set point security system

Refrigeration System

- Air-cooled cascade refrigeration system
- Two [2] air-cooled compressors
- Temperature range -50°C to -86°C
- 100% HFC and CFC-free refrigerants
- Efficient down feed evaporator
- High capacity air-cooled condenser

Alarm Systems

- Microprocessor alarm
- Battery back-up
- Remote alarm contacts

All models are designed to meet CE and SGS USTC criteria for safety and performance.

CO_2 Back-Up System

Will maintain -70˚C at a 45 Kg. / Hr. rate.

Cryo Safety Gloves

Protection for Hands and Arms

Temperature Recorder

Easily Installed into the Freezer Control Panel

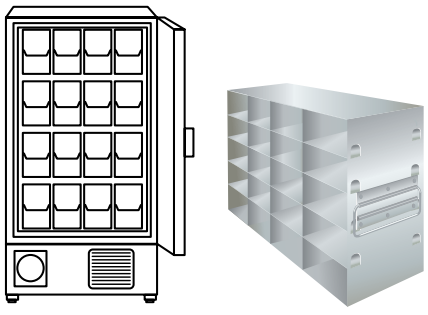
2" or 3" Fiberboard Boxes

Freezer Inventory Racks

Freezer racks come pre-packaged with 20 x 2" (51 mm) cardboard boxes with 81 cell dividers per box.

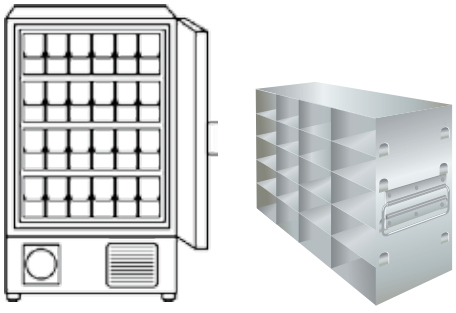
NU-9483 16 Racks

320 (4 deep, 5 high) 2" Boxes | Part# SV-HL-20-2-81



NU-9668 24 Racks

480 (4 deep, 5 high) 2" Boxes | Part# SV-HL-20-2-81



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