



ULTRALOW TEMPERATURE FREEZERS

-86°C



NUAIRE MEANS **ENVIRONMENTALLY SAFE**

Laboratory professionals the world over depend on NuAire for safe, reliable laboratory equipment that lasts longer and performs better at a lower overall cost. NuAire has earned that professional trust with exceptional design and years of service in a world that demands the greatest dependability.

The people of NuAire continue to offer the finest products, service and value in the world. They know and understand the responsibility of providing dependability in the world of the laboratory professional where reliability is not an option. NuAire looks forward to continuing to provide the finest in the world, remembering that the world of NuAire and the laboratory professional is part of the larger world—the most demanding environment.





EXPERIENCE

QUIET ULTRALOW TEMPERATURE PRECISION

Quality and performance for the most demanding environments. Ultralow Temperature Freezers from NuAire are designed to meet your requirements for research, clinical or industrial applications.

The features and benefits combined in these Ultralow Freezers offer the laboratory professional a unique choice—available only from NuAire.

NuAire meets and exceeds the demand for a higher level of performance and dependability with the Ultralow Freezer—designed with the most advanced features and benefits available for research and laboratory work. Ultralow Freezers have been designed and constructed for professionals whose work requires:

- the sensitivity and accuracy of temperature controls
- the precision of electronic solid state controls
- the long-term reliability and protection of automated back-up systems
- exceptionally quiet operation
- the flexibility of available options and accessories

**NuAire Ultralow Freezers
offer the lowest ambient
noise level in the world**

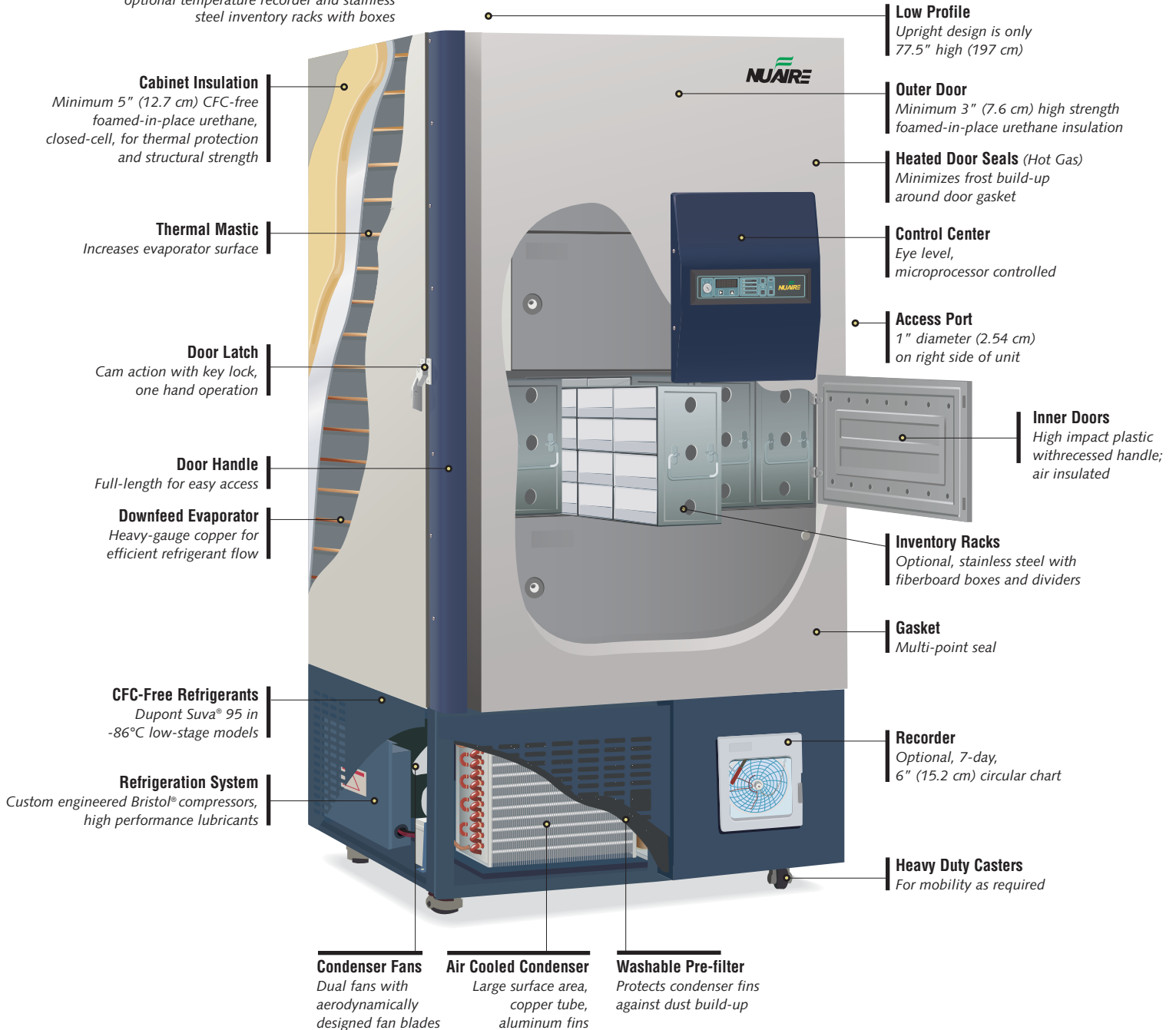
STABILITY
PERFORMANCE
QUALITY
PROTECTION

NUAIRE'S

SUPERIOR CONSTRUCTION

NUAIRE -86°C UPRIGHT

20 cu. ft. (605 liter), illustrated with optional temperature recorder and stainless steel inventory racks with boxes



VALUE
SERVICE
RELIABILITY
SAFETY

-86° C

UPRIGHT FREEZER



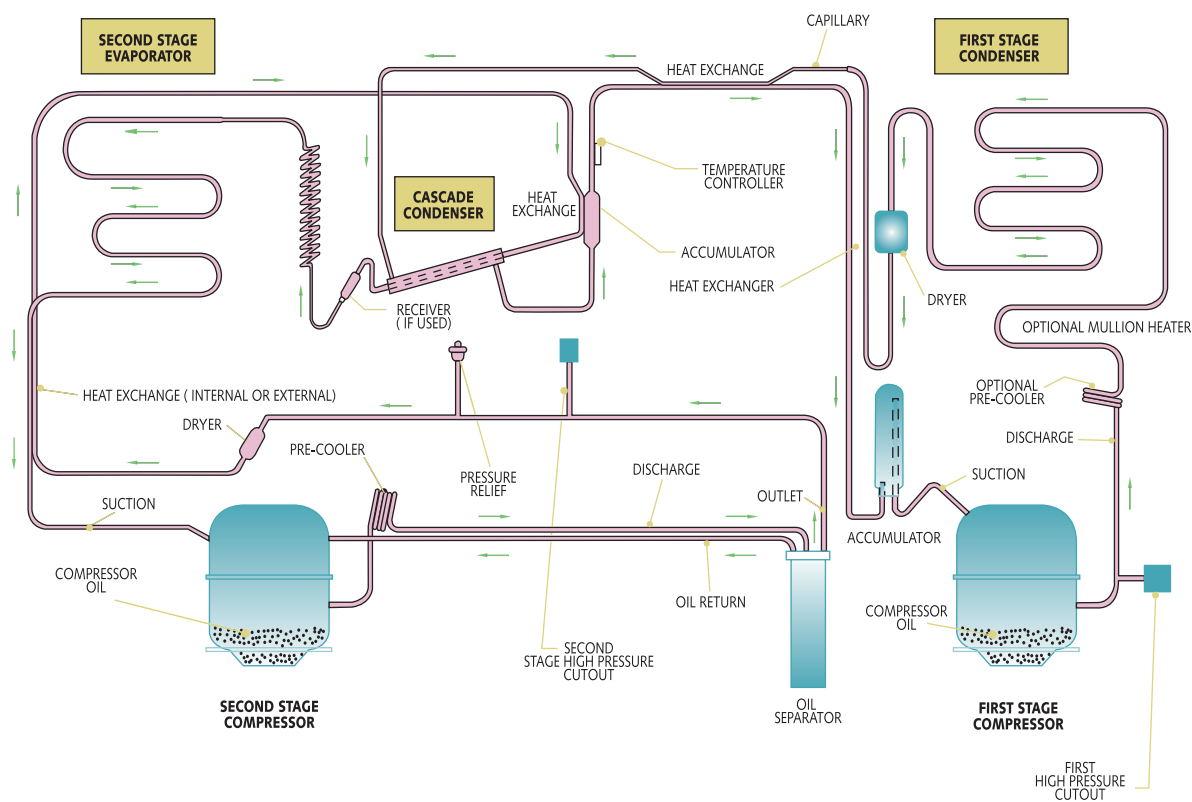
The Ultralow Temperature
Freezer Control Center

QUIET
CONTROL
EFFICIENT
LOW POWER CONSUMPTION



REFRIGERATION TECHNOLOGY

TWO STAGE CASCADE SYSTEM



ILS-DF8513



13.4 cu. ft. / 369 L

ILS-DF8517



17 cu. ft. / 484 L

ILS-DF8520



20 cu. ft. / 605 L

ILS-DF8524



24 cu. ft. / 730 L

SPECIFICATIONS

ULTRALOW FREEZERS

Standard Features

CFC-free 5" foam insulation
Access port
Heavy-gauge steel cabinet with long-lasting powder paint finish
Rounded interior corners
Heavy-duty swivel casters
Hot gas halo heat
Five [5] air insulated inner doors
Four [4] shelves — 3 adjustable
Multi-point gasket seals
Base mounted controls
Automatic Voltage Booster

Temperature Control System

Microprocessor control system
Digital temperature display
Set point security system
Independent operating temperature and high/low limit alarm
Automatic voltage boost
On-board power monitoring

Optional Features

Cobex® temperature recorder
CO₂ back-up system
Remote alarm dialer
Stainless steel interior
Surge suppressor
Cryo gloves
Floor anchor system
Inventory system [racks and boxes]

Refrigeration System

Air-cooled cascade refrigeration system
2 x 1 hp Bristol® air-cooled compressors (20 & 24 Ft.³ Models)
2 x ½ hp Bristol® air-cooled compressors (13 & 17 Ft.³ Models)
Temperature range -50°C to -86°C
100% HFC CFC-free refrigerants
Efficient downfeed evaporator
High capacity air-cooled condenser

Electrical Requirements

115V 60 Hz; 208/230V 60 Hz; 230V 50 Hz;
All single phase

Alarm Systems

Microprocessor alarm
Battery back-up
Audible/visual overtemperature alarm
Remote alarm contacts
Low voltage booster



Viking Line Ultralow Temperature Freezers

All models are designed to meet UL, CUL, CE and TUV criteria for safety and performance.

MODELS	CU. FT./ LITERS	VOLTAGE	AMPS/ BREAKER	INTERIOR DIMENSIONS INCHES/MM	EXTERIOR DIMENSIONS INCHES/MM	SHIP WGT.	INVENTORY SYSTEM
ILS-DF8513	13 / 369	115V 60 Hz 1Ø	16.0 / 20	Height x Depth x Width	Height x Depth x Width	734 lbs/ 334 kg	Racks: 16
ILS-DF8513G		208/230V 60 Hz 1Ø	7.5 / 15	50.4 x 18.9 x 23.6	77.9 x 35.4 x 36.2		Boxes Per Rack:
ILS-DF8513E		230V 50 Hz 1Ø	7.5 / 15	1280 x 480 x 600	1979 x 900 x 920		15- 2" / 9- 3"
ILS-DF8517	17/ 484	115V 60 Hz 1Ø	16.0 / 20	Height x Depth x Width	Height x Depth x Width	836 lbs/ 380 kg	Racks: 16
ILS-DF8517G		208/230V 60 Hz 1Ø	7.5 / 15	50.4 x 24.8 x 23.6	77.9 x 41.3 x 36.2		Boxes Per Rack:
ILS-DF8517E		230V 50 Hz 1Ø	7.5 / 15	1280 x 630 x 600	1979 x 1050 x 920		20- 2" / 12- 3"
ILS-DF8520G	20 / 605	208/230V 60 Hz 1Ø	7.5 / 15	Height x Depth x Width	Height x Depth x Width	902 lbs/ 410 kg	Racks: 20
ILS-DF8520E		230V 50 Hz 1Ø	7.5 / 15	50.4 x 24.8 x 29.5 1280 x 630 x 750	77.9 x 41.3 x 42.1 1979 x 1050 x 1070		Boxes Per Rack: 20- 2" / 12- 3"
ILS-DF8524G	24 / 730	208/230V 60 Hz 1Ø	8.5 / 15	Height x Depth x Width	Height x Depth x Width	990 lbs/ 450 kg	Racks: 20
ILS-DF8524E		230V 50 Hz 1Ø	8.5 / 15	50.4 x 29.9 x 29.5 1280 x 760 x 750	77.9 x 46.5 x 42.1 1979 x 1180 x 1070		Boxes Per Rack: 25- 2" / 15- 3"

FREEZER ACCESSORIES



Protection for Hands and Arms

CRYO SAFETY GLOVES



Tough, Safe Metal Housing

SURGE SUPPRESSOR

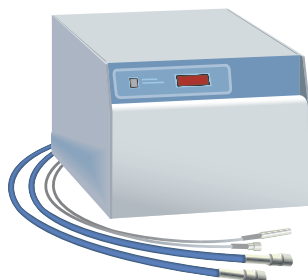


2" OR 3" FIBERBOARD BOXES



*Easily Installed into the
Freezer Control Panel*

TEMPERATURE RECORDER

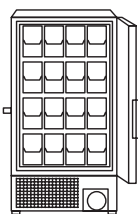


Will maintain -70°C
at a 45 Kg. / Hr. rate.

CO₂ BACK-UP SYSTEM

ILS-DF8513

16 Racks



240 2" Boxes



3 deep, 5 high
Part# SV-HS-15-2-81

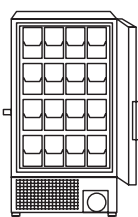
144 3" Boxes



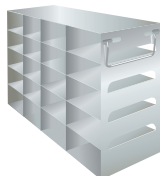
3 deep, 3 high
Part# SV-HS-9-3-81

ILS-DF8517

16 Racks

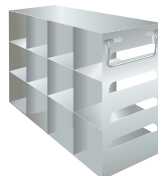


320 2" Boxes



4 deep, 5 high
Part# SV-HL-20-2-81

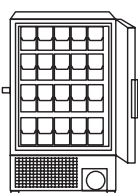
192 3" Boxes



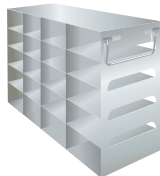
4 deep, 3 high
Part# SV-HL-12-3-81

ILS-DF8520

20 Racks

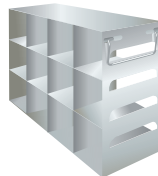


400 2" Boxes



4 deep, 5 high
Part# SV-HL-20-2-81

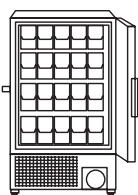
240 3" Boxes



4 deep, 3 high
Part# SV-HL-12-3-81

ILS-DF8524

20 Racks

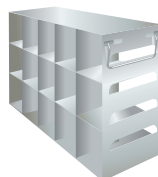


500 2" Boxes



5 deep, 5 high
Part# SV-XHL-25-2-81

300 3" Boxes



5 deep, 3 high
Part# SV-HF-15-3-81



FREEZER INVENTORY RACKS

Accommodate 2" or 3" Boxes



ASSURANCE

TESTING

Full factory testing is your assurance of reliability in the laboratory. Each NuAire product is thoroughly inspected in our factory prior to final shipment, and that's just the final step in a rigorous system of quality control—from superior designs and materials, to finished product and final testing for certified performance. Whenever quality cannot be fully assessed in final assembled form, products are thoroughly inspected during sub-assembly fabrication. All electrical components are UL approved.

WARRANTY

We believe our customers continually deserve the best equipment available in terms of performance, safety, and service. We have implemented this objective by offering our customers a SOLID, EFFECTIVE WARRANTY. We now offer the strongest warranty in the market. NuAire wants you to have the best...you have purchased the best, now we want you to have a warranty that is the best. We want you to know that your confidence is well placed in NuAire products.

CUSTOMER SALES AND SERVICE

Our customers say the nicest things about us. NuAire has redefined customer service, as exemplified by our expertly trained staff who have happily created strong relationships with our customers. NuAire service extends throughout the world. We extend to you, our valued customer, a service concept unique in the market, "we give you consistently the best we have to offer."

Please note that NuAire continually makes product improvements which may cause the product specifications to change. Please consult factory to verify current product specifications.

**We believe our customers continually deserve
the best equipment available in terms of
performance, safety, and service.**



**Online at www.nuaire.com
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LEARN MORE



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