

GX Solutions Ultra-Low Freezer



Professional medical-grade ultra-low freezers are designed with the unique needs of the healthcare environment in mind. Only professional medical-grade freezers deliver optimized control in three important areas...

Temperature Management safeguarding samples, tissue, pharmaceuticals, blood and more.

Noise Management providing a more productive workplace.

Energy Management reducing operating costs and supporting sustainability initiatives.

GX Solutions
powered by OptiCool™

OptiCool™ Refrigeration Technology



OptiCool™ Refrigeration Technology combines variable capacity compressors (VCC) and natural hydrocarbon (HC) refrigerants to create a system that optimizes temperature performance and energy efficiency.

Temperature Management

GX Solutions offer optimized control in temperature uniformity and recovery. They are designed to operate at temperatures down to -86°C and at higher ambient temperatures.



- Superior temperature uniformity throughout the unit ensures contents can be placed anywhere within the unit.
- Faster recovery after prolonged door opening ensures contents are stored at the right temperature even when the unit is opened multiple times.

Energy Efficiency

GX Solutions are designed to meet Energy Star® requirements. OptiCool™ refrigeration technology combines variable capacity compressors (VCC) with natural hydrocarbon (HC) refrigerants.



- Lower energy consumption.
- Lower lifetime cost of ownership.

Noise Reduction

Quiet operation improves the work environment. GX Solutions Ultra Low Freezers are designed for noise sensitive areas. They are quieter than traditional models leading to fewer distractions for healthcare personnel.



Supports Sustainability

The OptiCool™ cooling system uses R170 and R290, naturally occurring refrigerants that help meet environmental standards.

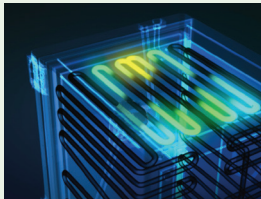
- Reduces heat output.
- Decreases the carbon footprint which dramatically decreases the global warming potential (GWP) grade.
- Meets many energy standards.
- Have no impact on ozone depletion.



How it's Made Matters.

Optimum Oil Management Leads to Greater Reliability

A primary cause of compressor failure is too much oil in the refrigeration system.



Helmer has eliminated this issue with our exclusive refrigeration design.

- Specially engineered oil separator removes virtually all oil from refrigeration lines.
- Mixed refrigerant has been optimized to ensure proper flow rate at extremely low temperatures.

Guardian Plus™ / Access Control Ensures Product Integrity with Smart Freezers

The i.C3® Information Center provides critical information about the freezer status. Integrated Access Control is included standard on every ultra-low freezer.



Unique Heat Barrier System Minimizes Frost

Four levels of containment combine an ice-resistant sealing surface with high-quality materials to keep heat out.

- Premium vacuum insulated panels
- Inner doors with dual-blade gaskets are insulated and structurally reinforced
- Door Frame with hot gas loop creates ice-resistant sealing surface



GX Ultra-Low Freezers

Model	Temp Range	Volume cu ft L	Boxes 2" (51 mm) card- board boxes	Shelves/ Compartments	Interior Dimensions wxhxd in mm	Exterior Dimensions wxhxd in mm	Electrical
iUF118-GX	-50°C to -86°C	18 510	352	4 shelves 5 compartments	23 x 54 x 23.3 585 X 1373 X 591	28.9 x 78.2 x 35.1 733 x 1986 x 892	115V 60 Hz 220-240V 50/60Hz
iUF126-GX	-50°C to -86°C	26 736	528	4 shelves 5 compartments	34.3 x 54 x 23.3 872 x 1373 x 591	40.2 x 78.2 x 35.1 1020 x 1986 x 892	115V 60 Hz 220-240V 50/60Hz

Options & Accessories



Cryo Gloves



LN2 & CO2 Backup Systems



Freezer Racks and Boxes



Inkless Chart Recorder



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