

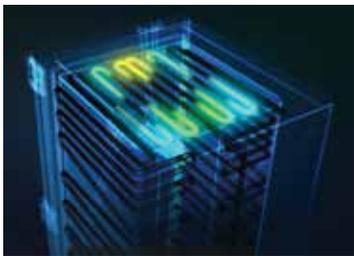
# -86°C Ultra-Low Freezer i.Series®



## 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.

### For Additional Information Visit

<http://www.helmerinc.com/matters/#Home>

### 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.



- Access tracked by user
- Access log and PIN setup via i.C³
- Monitor current system status and early detection of alarm states
- Complete data logs and graphs
- Track door openings
- USB Download

### Unique Heat Barrier System Minimizes Frost

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

- Outer doors include 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
- Premium Insulation



### Designed for Easy Access Keeping Downtime to a Minimum

- Critical components are accessible through drop-down and removable panels.
- Diagnostic data and graphs are available on the i.C³ for troubleshooting.



# -86°C Ultra-Low Freezer

## i.Series®



### Capacity

Model	iUF116	iUF118	iUF124	iUF126
Shelves/Compartments	3 shelves 4 compartments	4 shelves 5 compartments	3 shelves 4 compartments	4 shelves 5 compartments
2" (51 mm) cardboard boxes in racks	320	352	480	528

### Specifications

Model	Temperature Range	Volume	Interior Dimensions	Exterior Dimensions	Electrical
iUF116	-50°C to -86°C	16 cu ft 453 L	23.1 x 49.5 x 23.3 in. 587 x 1257 x 592 mm	37.1 x 78.2 x 37.5 in. 942 x 1986 x 953 mm	208/230V 60Hz
iUF118	-50°C to -86°C	18 cu ft 510 L	23.1 x 54.1 x 23.3 in. 587 x 1374 x 592 mm	32.5 x 78.2 x 37.5 in. 826 x 1986 x 953 mm	208/230V 60Hz
iUF124	-50°C to -86°C	24 cu ft 680 L	34.4 x 49.5 x 23.3 in. 874 x 1257 x 592 mm	48.4 x 78.2 x 37.5 in. 1229 x 1986 x 953 mm	208/230V 60Hz
iUF126	-50°C to -86°C	26 cu ft 736 L	34.4 x 54.1 x 23.3 in. 874 x 1374 x 592 mm	43.8 x 78.2 x 37.5 in. 1113 x 1986 x 953 mm	208/230V 60Hz

### Options & Accessories



Cryo Gloves



LN2 & CO2 Back-up Systems



Freezer Racks and Boxes



Inkless Chart Recorder

### Helmer Scientific Laboratory Equipment



Laboratory Refrigerators and Freezers



Pharmacy Refrigerators and Freezers



Blood Bank Refrigerators and Freezers



Specialized Blood Bank Equipment

### Distribution Partner

Helmer Scientific | 14400 Bergen Boulevard | Noblesville, IN 46060 | USA  
+1.317.773.9073 | www.helmerinc.com

