Upright Refrigerators

Laboratory & Pharmacy

TrueBlue.
Reliability & Support

i.Series® | Horizon Series™

Helmer
SCIENTIFIC

Laboratory & Pharmacy Refrigerators designed specifically for healthcare and life science applications

Helmer Scientific high-performance laboratory and pharmacy refrigerators are a result of over 40 years of proven refrigeration solutions and attention to detail. Superior temperature uniformity, outstanding reliability, and exceptional benefits bring value every day, leaving you to focus on your critical work while your products receive our TrueBlue protection.

Helmer Refrigerators Deliver

High-Quality Craftsmanship

· Superior chamber temperature uniformity and quick recovery with heavy-duty, air-cooled refrigeration system

· Temperature uniformity of +/- 1ºC

· Operating temperature range from +2ºC to +10ºC

· Bacteria-resistant powder coated exterior and interior for added security

· Sure-Seal self-closing door with magnetic closure eliminates broken door latches

· Custom storage capabilities with roll out baskets, full or half-size shelves, and stainless steel drawers provide maximum storage versatility

· Adjustable LED lighting provides energy-efficient illumination with auto-on feature and ON/OFF switch

· Hospital grade plug enhances electrical safety/serviceability

ENERGY STAR® Certification

· Certified energy-efficient refrigerators help reduce the environmental footprint of your facility.

Secure Monitoring for a Safe Storage Environment

· i.C$^3_®$ with 7" (177mm) full-color touchscreen (i.Series®)

· Microprocessor temperature controller with built-in alarm/monitor (Horizon Series™)

· Key lock

· Password protected settings (i.Series)

Designed for Convenience & Performance

· Single and double door models from 11 cf (326 L) to 56 cf (1586 L)

· ADA compliant door handle(s)

· Position flush with a countertop, cabinet, or other equipment with no additional clearance required

· Recessed floor contains spills for easy clean-up

· Door-mounted, eye-level controls (i.Series)

· Rechargeable battery backup (i.C^3)

More choices

Product Line Overview

Helmer offers two distinct lines of upright refrigerators. Both lines offer high quality construction and attention to detail throughout. The primary difference between lines is the means of monitoring and control.

i.Series®

The i.Series features thte i.C³, a door-mounted touchscreen information center with constant temperature monitoring and control. It is easy to view and provides status of critical information, alarms, and events in one secure location.

Horizon Series™

The Horizon Series offers a digital microprocessor temperature controller with a built-in alarm.

Laboratory Refrigerator Selection Guide
+2°C to +10°C Factory set to +4°C

Select the Optimal Capacity & Design		i.Series®					Horizon Series™				
		iLR111	iLR120	iLR125	iLR245	iLR256	HLR111	HLR120	HLR125	HLR245	HLR256
Application Cabinet		Laboratory Slimline	Laboratory Upright	Laboratory Upright	Laboratory Upright	Laboratory Upright	Laboratory Slimline	Laboratory Upright	Laboratory Upright	Laboratory Upright	Laboratory Upright
Capacity	cu ft / liters	11.5 326	20.2 572	25.2 714	44.9 1271	56 1585	11.5 326	20.2 572	25.2 714	44.9 1271	56 1585
Storage	standard	4 shelves	4 shelves	4 shelves	8 shelves	8 shelves	4 shelves	4 shelves	4 shelves	8 shelves	8 shelves

Pharmacy Refrigerator Selection Guide - i.Series®
+2°C to +10°C Factory set to +4°C

Select the Optimal Capacity and Design		i.Series®						
		iPR111	iPR120	iPR125	iPR225[1]	iPR245	iPR256	iPR456[1]
Application Cabinet		Pharmacy Slimline	Pharmacy Upright	Pharmacy Upright	Pharmacy Pass-Thru	Pharmacy Upright	Pharmacy Upright	Pharmacy Pass-Thru
Capacity	cu ft / liters	11.5 326	20.2 572	25.2 714	26.5 750	44.9 1271	56 1585	58 1642
Storage	standard	1 shelf 5 baskets	1 shelf 6 baskets	1 shelf 6 baskets	3 shelves 3 drawers	2 shelves 12 baskets	2 shelves 12 baskets	6 shelves 6 drawers

Pharmacy Refrigerator Selection Guide - Horizon Series™
+2°C to +10°C Factory set to +4°C

Select the Optimal Capacity and Design		Horizon Series™						
		HPR111	HPR120	HPR125	HPR225[1]	HPR245	HPR256	HPR456[1]
Application Cabinet		Pharmacy Slimline	Pharmacy Upright	Pharmacy Upright	Pharmacy Pass-Thru	Pharmacy Upright	Pharmacy Upright	Pharmacy Pass-Thru
Capacity	cu ft / liters	11.5 326	20.2 572	25.2 714	26.5 750	44.9 1271	56 1585	58 1642
Storage	standard	1 shelf 5 baskets	1 shelf 6 baskets	1 shelf 6 baskets	3 shelves 3 drawers	2 shelves 12 baskets	2 shelves 12 baskets	6 shelves 6 drawers

[1]See Pass-Thru Refrigerator Brochure for complete information

Outstanding features
at-a-glance

Refrigeration System

» Heavy-duty, air-cooled refrigeration system with non-CFC R134A refrigerant provides high efficiency and is environmentally friendly

» Forced-air circulation maintains chamber uniformity and provides quick recovery after door openings

» No defrost cycle required to maintain constant temperature

» Auto condensate evaporation

» Evaporator fan(s) shut off during door openings to maintain stable temperatures

Cabinet Construction

» Bacteria-resistant powder coated interior and exterior, and door handle(s)

» Ergonomic Sure-Grip door handle is padded for comfort

» Superior engineered frame for maximum rigidity

» Dual-pane glass door(s) with ADA compliant full-length handles

» Innovative self-closing Sure-Seal door system with magnetic seal

» Key lock

» LED lighting with control panel mounted switch

» - Auto ON/OFF (i.Series)

» Minimum of 2" (51mm) non-CFC foamed urethane insultion

» Swivel locking casters

» Access port located in top of cabinet for external monitoring probe(s) and one side-wall access port with interior and exterior plugs.

» Rechargeable battery is environmentally friendly and long-lasting (i.C^3)

» Recessed floor contains spills for easy clean-up

» Hospital grade plug and cord

Storage

» Adjustable shelves (Laboratory and Pharmacy)

» Roll-out baskets with fully extendable slides (Pharmacy)

» Side and rear guards prevent items from falling off shelves

» Stainless steel standards guard against rust and corrosion

Automatic high and low alarm tests heat and cool probes at the touch of a button, safely testing probes without affecting chamber temperature, while saving valuable time.

ENERGY STAR® Certified

Laboratory and Pharmacy refrigerators have been recognized by the Environmental Protection Agency (EPA) as meeting new EnergyStar® standards

Temperature Control and Monitoring

i.Series®	Horizon Series®
Exclusive i.C³® Information Center	**Microprocessor temperature controller with alarm/monitor**
· 7" (177mm) full-color, door-mounted touchscreen	· LED digital display, top bezel mounted
· Automatic high/low alarm testing (Peltier based)	· Manual alarm test
· USB ports (2) for download/upload/upgrade	
· Optional RS232 data port	
· Dry contact alarm connection	· Dry contact alarm connection
· Password protected settings	
· Dual alarm probes[1], stainless steel in product simulation bottle	· Single alarm probe, stainless steel in product simulation bottle
· Digital temperature display / °C or°F	· LED temperature display / °C or °F
· Event log displays date, time, and temperature data	
· Compressor log displays compressor temperature performance	
· Interactive temperature graph	
· Min/max display and reset	· Min/max display and reset
· Digital calibration	· Digital calibration
· Rechargeable battery backup	· Battery backup
· Date and time display	
· Alarm mute with adjustable ring-back interval	· Alarm mute with 5-minute ring-back interval
· Adjustable alarm volume	· Alarm silence with key switch
· Four alarm tones	
· High and low temperature alarms	· High and low temperature alarms
· Door ajar alarm	· Door ajar alarm
· Power failure alarm	· Power failure alarm
· Condenser temperature alarm	
· Ethernet[2]	

[1] 11 cu ft (326 liter) models: single alarm probe and upper temperature display only
[2] Via customer developed software

Configurability

A number of high-performance options and accessories are available for laboratory and pharmacy refrigerators. Storage can be customized with various combinations of shelves, roll-out baskets, pull-out drawers, or locking drawers. Configured options include heated glass doors which reduce condensation. Storage trays are also available to organize medicines and pharmaceuticals. See page 8 for a complete list of options and accessories.

Exclusively on
i.Series®

i.C³® Information Center

The i.C³ Information Center provides constant temperature monitoring and multiple information logs while offering security features to keep settings safe. It consolidates the refrigerator or freezer information in one convenient location and allows the user to optimize performance with just a fingerstroke. The icon driven monitoring system features a door mounted 7" (177mm) full-color touchscreen ergonomically angled for easy viewing.

The i.C³ Information Center includes:

System Status Console
Snapshot of current conditions

Monitor the status of the unit with one quick glance at the home screen.

Status Available
 » Current temperature
 » Current alarm conditions and alerts in progress
 » Unacknowledged alarms
 » Minimum and maximum temperatures
 » Historical temperature data

Information and Event Center
Performance history

All the information you need is one touch away. The interactive temperature graph provides a visual history of performance and a shortcut to the event log with detailed status information. Event acknowledgement can be captured on-screen complete with signature, date, and time-stamp.
 » Event status, start and end times
 » Door opening status
 » Min/Max temps during alarm conditions
 » 7 and 1-day graph view

Guardian Plus Protection
Protect settings and limit access

Password protected setpoints ensure that proper temperatures are maintained, keeping products secure. With the addition of Optional Integrated Access Control, access to the refrigerator or freezer can be secured by an electromagnetic lock controlled by PIN entry.
 » 100 User IDs can be set up directly from the i.C³ and programmed with an individual access PIN
 » Access Control keypad can be set as an alternative Home Screen
 » Access Control log provides an audit trail of door entries and includes the User ID, Date, Time, Duration, and Method of Entry
 » Key override

Data Transfer Center
Export data with ease

Temperature, event, and optional access control data is simply exported via the USB port in the side of the i.C³ Information Center and can be opened in a spreadsheet program. Firmware updates can also be uploaded.

Specifications

Laboratory Refrigerators
Temperature Range +2° to +10°C, factory set to +4°C

Model/Series	Doors	Volume (cu ft /liter)	Interior Dimensions WxHxD (in/mm)	Exterior Dimensions[1] WxHxD (in/mm)	Shelves	Baskets	ENERGY STAR® Certified	Electrical Voltage (Hz)	Amps (FLA)	Net Weight lb / kg	Warranty[2]
iLR111 i.Series	1	11.5 / 326	20 x 49.5 x 20 / 508 x 1258 x 508	24.25 x 70.5 x 24.5 / 616 x 1791 x 623	4	0		115 (60) / 230 (50) / 230 (60)	7 / 3.5 / 3.5	322 / 147	Rel.i™ Plus 7/2/1
HLR111 Horizon Series	1	11.5 / 326	20 x 49.5 x 20 / 508 x 1258 x 508	24.25 x 70.5 x 24.5 / 616 x 1791 x 623	4	0		115 (60) / 230 (50) / 230 (60)	7 / 3.5 / 3.5	315 / 143	Rel.i™ 5/2/1
iLR120 i.Series	1	20.2 / 572	24.75 x 58.25 x 24.25 / 629 x 1480 x 616	29.5 x 79.5 x 29.5 / 750 x 2020 x 750	4	0	Yes / No / No	115 (60) / 230 (50) / 230 (60)	7.5 / 4.2 / 4.2	473 / 215	Rel.i™ Plus 7/2/1
HLR120 Horizon Series	1	20.2 / 572	24.75 x 58.25 x 24.25 / 629 x 1480 x 616	29.5 x 78.75 x 29.5 / 750 x 2001 x 750	4	0	Yes / No / No	115 (60) / 230 (50) / 230 (60)	7.5 / 4.2 / 4.2	470 / 214	Rel.i™ 5/2/1
iLR125 i.Series	1	25.2 / 714	24.75 x 58.25 x 30.25 / 629 x 1480 x 769	29.5 x 79.5 x 35.5 / 750 x 2020 x 902	4	0	Yes / No / No	115 (60) / 230 (50) / 230 (60)	7.5 / 4.2 / 4.2	484 / 220	Rel.i™ Plus 7/2/1
HLR125 Horizon Series	1	25.2 / 714	24.75 x 58.25 x 30.25 / 629 x 1480 x 769	29.5 x 78.75 x 35.5 / 750 x 2001 x 902	4	0	Yes / No / No	115 (60) / 230 (50) / 230 (60)	7.5 / 4.2 / 4.2	481 / 219	Rel.i™ 5/2/1
iLR245 i.Series	2	44.9 / 1271	55 x 58.25 x 24.25 / 1397 x 1480 x 616	59.25 x 79.5 x 29.5 / 1505 x 2020 x 750	8	0	Yes / No / No	115 (60) / 230 (50) / 230 (60)	11.5 / 6.0 / 6.0	702 / 319	Rel.i™ Plus 7/2/1
HLR245 Horizon Series	2	44.9 / 1271	55 x 58.25 x 24.25 / 1397 x 1480 x 616	59.25 x 78.75 x 29.5 / 1505 x 2001 x 750	8	0	Yes / No / No	115 (60) / 230 (50) / 230 (60)	11.5 / 6.0 / 6.0	701 / 318	Rel.i™ 5/2/1
iLR256 i.Series	2	56 / 1586	55 x 58.25 x 30.25 / 1397 x 1480 x 769	59.25 x 79.5 x 35.5 / 1505 x 2020 x 902	8	0	Yes / No / No	115 (60) / 230 (50) / 230 (60)	11.5 / 6.0 / 6.0	738 / 335	Rel.i™ Plus 7/2/1
HLR256 Horizon Series	2	56 / 1586	55 x 58.25 x 30.25 / 1397 x 1480 x 769	59.25 x 78.75 x 35.5 / 1505 x 2001 x 902	8	0	Yes / No / No	115 (60) / 230 (50) / 230 (60)	11.5 / 6.0 / 6.0	728 / 331	Rel.i™ 5/2/1

Pharmacy Refrigerators
Temperature Range +2° to +10°C, factory set to +4°C

Model/Series	Doors	Volume (cu ft /liter)	Interior Dimensions WxHxD (in/mm)	Exterior Dimensions[1] WxHxD (in/mm)	Shelves	Baskets	ENERGY STAR® Certified	Electrical Voltage (Hz)	Amps (FLA)	Net Weight lb / kg	Warranty[2]
iPR111 i.Series	1	11.5 / 326	20 x 49.5 x 20 / 508 x 1258 x 508	24.25 x 70.5 x 24.5 / 616 x 1791 x 623	1	5		115 (60) / 230 (50) / 230 (60)	7 / 3.5 / 3.5	357 / 162	Rel.i™ Plus 7/2/1
HPR111 Horizon Series	1	11.5 / 326	20 x 49.5 x 20 / 508 x 1258 x 508	24.25 x 70.5 x 24.5 / 616 x 1791 x 623	1	5		115 (60) / 230 (50) / 230 (60)	7 / 3.5 / 3.5	350 / 159	Rel.i™ 5/2/1
iPR120 i.Series	1	20.2 / 572	24.75 x 58.25 x 24.25 / 629 x 1480 x 616	29.5 x 79.5 x 29.5 / 750 x 2020 x 750	1	6	Yes / No / No	115 (60) / 230 (50) / 230 (60)	7.5 / 4.2 / 4.2	525 / 239	Rel.i™ Plus 7/2/1
HPR120 Horizon Series	1	20.2 / 572	24.75 x 58.25 x 24.25 / 629 x 1480 x 616	29.5 x 78.75 x 29.5 / 750 x 2001 x 750	1	6	Yes / No / No	115 (60) / 230 (50) / 230 (60)	7.5 / 4.2 / 4.2	522 / 237	Rel.i™ 5/2/1
iPR125 i.Series	1	25.2 / 714	24.75 x 58.25 x 30.25 / 629 x 1480 x 769	29.5 x 79.5 x 35.5 / 750 x 2020 x 902	1	6	Yes / No / No	115 (60) / 230 (50) / 230 (60)	7.5 / 4.2 / 4.2	552 / 251	Rel.i™ Plus 7/2/1
HPR125 Horizon Series	1	25.2 / 714	24.75 x 58.25 x 30.25 / 629 x 1480 x 769	29.5 x 78.75 x 35.5 / 750 x 2001 x 902	1	6	Yes / No / No	115 (60) / 230 (50) / 230 (60)	7.5 / 4.2 / 4.2	549 / 250	Rel.i™ 5/2/1
iPR245 i.Series	2	44.9 / 1271	55 x 58.25 x 24.25 / 1397 x 1480 x 616	59.25 x 79.5 x 29.5 / 1505 x 2020 x 750	2	12	Yes / No / No	115 (60) / 230 (50) / 230 (60)	11.5 / 6.0 / 6.0	824 / 374	Rel.i™ Plus 7/2/1
HPR245 Horizon Series	2	44.9 / 1271	55 x 58.25 x 24.25 / 1397 x 1480 x 616	59.25 x 78.75 x 29.5 / 1505 x 2001 x 750	2	12	Yes / No / No	115 (60) / 230 (50) / 230 (60)	11.5 / 6.0 / 6.0	823 / 374	Rel.i™ 5/2/1
iPR256 i.Series	2	56 / 1586	55 x 58.25 x 30.25 / 1397 x 1480 x 769	59.25 x 79.5 x 35.5 / 1505 x 2020 x 902	2	12	Yes / No / No	115 (60) / 230 (50) / 230 (60)	11.5 / 6.0 / 6.0	876 / 398	Rel.i™ Plus 7/2/1
HPR256 Horizon Series	2	56 / 1586	55 x 58.25 x 30.25 / 1397 x 1480 x 769	59.25 x 78.75 x 35.5 / 1505 x 2001 x 902	2	12	Yes / No / No	115 (60) / 230 (50) / 230 (60)	11.5 / 6.0 / 6.0	866 / 393	Rel.i™ 5/2/1

Specifications subject to change · Certified to applicable UL and CSA standards by a NRTL
Technical Data Sheets for all Laboratory and Pharmacy Refrigerators are available at www.helmerinc.com
Published interior volumes are nominal; usable cu ft (liters) capacity may be offset by protrusions into cabinet.
[1]Does not include door handle, electrical panel, and evaporation tray.
[2]Warranties applicable in the U.S. and Canada. For international warranty information, contact distributor

bsi. ISO 13485 Medical Devices Quality Management FM 536286   CE 0086   RoHS COMPLIANT

High-Performance
Options & Accessories

Options and accessories have been specifically designed to enhance the performance of Helmer Scientific refrigerators and freezers. Some options are factory installed and must be specified with your original order. Please contact your sales representative for more information.

Integrated Electromagnetic Access Control

i.Series®

Integrated electromagnetic access control offers secure access to the refrigerator or freezer via the i.C³ Information Center. An electromagnetic lock is integrated into the unit and controlled by PIN entry.

» Up to 100 User IDs can be set up directly from the i.C³ and programmed with an individual access PIN

» The Access Control display can be set as an alternative Home Screen.

» Access Control log provides audit trail of door entries and can be downloaded

» Key override is included

Horizon Series

The Horizon access control keypad provide fail-secure digital keypad access. A lock is integrated into the unit and unlocked by entering a user code on the keypad.

» Up to 100 User Codes can be entered into the keypad

» Key override included

Roll-out Baskets
Wire baskets with fully extendable slides are offered as an alternative to standard shelving.

Shelves
Additional shelves are adjustable, and designed to fit individual cabinets. Full-size, half-size, and bridge shelves available.

Pull-out Drawers
Stainless steel drawers are liquid-tight. (i.Series and Horizon Series)

Locking Drawers
Stainless steel locking drawer includes cover and key lock for secure closure.

Solid Doors
Ideal for storage of light sensitve products.

Heated Glass Doors
Removes fogging and condensation in humid environments

Access Ports
A second side-wall access port can be factory installed, 1.75" (45mm). Custom access ports are available.

Vapor-Proof Duplex Outlet
Duplex outlet power is independent from refrierator power cord. Limit 1 per refrigerator. (115V only)

Temperature Chart Recorders
Optional 4" (102mm) chart, 7-day, inkless standalone temperature recorder. Includes battery backup and box of 52 charts.
» Chart Recorder Paper
4" (102mm) diameter, -5°C to +20°C, package of 52 (ref)
4" (102mm) diameter, -50°C to 0°C, package of 52 (frz)

Remote Alarms
For audible and visual signal of an alarm condition. Extend existing alarms to remote locations within a facility. Operational up to 3000' (914m) from cabinet. Can be connected to a central alarm system.

Remote Lock Adapter Kits
Special accessories that allow medication dispensing locks to be properly installed on Helmer Scientific refrigerators and freezers. Compatible with most systems.

Storage Trays
Package includes tray, dividers, and rails to simplify and organize storage areas.

Drawer Dividers
Polycarbonate upright or angled dividers for use in pull-out drawers.

Leveling Feet
Field-installable kit. Can be installed without tipping unit.

Left-hinged single door

Stainless steel interior

Chromatography kit

Floor and Wall Bracket Kit

Stacking Kit

IQ/OQ Equipment Validation Guide

Temperature Validation

Certificate of Calibration

i.C³ Screen Protectors

USB Flashdrive

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