



# Helmer Scientific Cold Storage Solutions

Product Guide  
Life Science Research and Pharmacy

Sample Storage  
You Can **Trust.**

Helmer Scientific has provided high-quality laboratory equipment for over 35 years. Our refrigerators and freezers are designed specifically for the storage of critical samples, controls, and reagents, providing superior protection for your application needs.



# Helmer Scientific Cold Storage

## Laboratory Refrigerator Selection Guide

+2°C to +10°C Factory set to +4°C

- » Maximum temperature uniformity & quick recovery
- » Bacteria-resistant powder coating
- » Directional LED lighting
- » Custom storage options: drawers, shelves & roll-out baskets



i.Series®  
Undercounter



i.Series®  
Single Door Upright



i.Series®  
Double Door Upright

Select the Optimal Capacity & Design

		i.Series®						
		iLR104-ADA	iLR105	iLR111	iLR120	iLR125	iLR245	iLR256
Application		Lab/Pharm Undercounter	Lab/Pharm Undercounter	Laboratory Slimline Upright	Laboratory Upright	Laboratory Upright	Laboratory Upright	Laboratory Upright
Capacity	cu ft / liters	4 / 113	5 / 142	11.5 / 326	20.2 / 572	25.2 / 714	44.9 / 1271	56 / 1585
Dimensions Exterior	in / mm	24 x 32 x 26.75 / 610 x 813 x 680	24 x 34 x 26.75 / 610 x 864 x 680	24.25 x 70.5 x 24.5 / 616 x 1791 x 623	29.5 x 79.5 x 29.5 / 750 x 2020 x 750	29.5 x 79.5 x 35.5 / 750 x 2020 x 902	59.25 x 79.5 x 29.5 / 1505 x 2020 x 750	59.25 x 79.5 x 35.5 / 1505 x 2020 x 902
Electrical - Frequency	V (HZ)	115 (60)	115 (60) 230 (50) 230 (60)	115 (60) 230 (50) 230 (60)	115 (60) 230 (50) 230 (60)	115 (60) 230 (50) 230 (60)	115 (60) 230 (50) 230 (60)	115 (60) 230 (50) 230 (60)
Storage	standard	2 shelves	2 shelves	4 shelves	4 shelves	4 shelves	8 shelves	8 shelves
Doors		1	1	1	1	1	2	2

## Pharmacy Refrigerator Selection Guide

+2°C to +10°C Factory set to +4°C

Select the Optimal Capacity & Design

		i.Series®						
		iPR111	iPR120	iPR125	iPR245	iPR256	iPR225	iPR456
Application		Pharmacy Slimline Upright	Pharmacy Upright	Pharmacy Upright	Pharmacy Upright	Pharmacy Upright	Pharmacy Pass-Thru	Pharmacy Pass-Thru
Capacity	cu ft / liters	11.5 / 326	20.2 / 572	25.2 / 714	44.9 / 1271	56 / 1585	26.5 / 750	58 / 1642
Dimensions Exterior	in / mm	24.25 x 70.5 x 24.5 / 616 x 1791 x 623	29.5 x 79.5 x 29.5 / 750 x 2020 x 750	29.5 x 79.5 x 35.5 / 750 x 2020 x 902	59.25 x 79.5 x 29.5 / 1505 x 2020 x 750	59.25 x 79.5 x 35.5 / 1505 x 2020 x 902	29.5 x 80 x 36 / 750 x 2032 x 915	59.25 x 80 x 36 / 1505 x 2032 x 915
Electrical - Frequency	V (HZ)	115 (60) 230 (50) 230 (60)	115 (60) 230 (50) 230 (60)	115 (60) 230 (50) 230 (60)	115 (60) 230 (50) 230 (60)	115 (60) 230 (50) 230 (60)	115 (60) 230 (50) 230 (60)	115 (60) 230 (50) 230 (60)
Storage	standard	1 shelf 5 roll-out baskets	1 shelf 6 roll-out baskets	1 shelf 6 roll-out baskets	2 shelves 12 roll-out baskets	2 shelves 12 roll-out baskets	3 shelves 3 drawers	6 shelves 6 drawers
Doors		1	1	1	2	2	2	4

## Freezer Selection Guide

-15°C to -30°C Factory set to -30°C (auto defrost)

- » Maximum temperature uniformity & quick recovery
- » Bacteria-resistant powder coating
- » Programmable defrost cycles
- » Heated door frame
- » Custom storage options: drawers, shelves & roll-out baskets



i.Series®  
Undercounter



i.Series® Upright



Horizon Series™  
Undercounter



Horizon Series™ Upright

Select the Optimal Capacity & Design

		i.Series®				Horizon Series™			
		iLF104-ADA	iLF105	iLF120	iLF125	HLF104-ADA	HLF105	HLF120	HLF125
Application		Laboratory Undercounter	Laboratory Undercounter	Laboratory Upright	Laboratory Upright	Laboratory Undercounter	Laboratory Undercounter	Laboratory Upright	Laboratory Upright
Capacity	cu ft / liters	4 / 113	5 / 142	20.2 / 572	25.2 / 714	4 / 113	5 / 142	20.2 / 572	25.2 / 714
Dimensions Exterior	in / mm	24 x 32 x 26.75 / 610 x 813 x 680	24 x 34 x 26.75 / 610 x 864 x 680	29.5 x 80 x 29.5 / 750 x 2032 x 750	29.5 x 80 x 35.5 / 750 x 2032 x 902	24 x 32 x 26.75 / 610 x 813 x 680	24 x 34 x 26.75 / 610 x 864 x 680	29.5 x 80 x 29.5 / 750 x 2032 x 750	29.5 x 80 x 35.5 / 750 x 2032 x 902
Electrical - Frequency	V (HZ)	115 (60)	115 (60) 230 (50) 230 (60)	208/230 (60) 230 (50)	208/230 (60) 230 (50)	115 (60)	115 (60) 230 (50) 230 (60)	208/230 (60) 230 (50)	208/230 (60) 230 (50)
Storage	standard	2 shelves	2 shelves	4 shelves	4 shelves	2 shelves	2 shelves	4 shelves	4 shelves
Doors		1	1	1	1	1	1	1	1

## Model Nomenclature Guide

Series	Type	Product	Number of doors	Capacity
i.Series Horizon Series Scientific Series	Laboratory Pharmacy	Refrigerator Freezer		
<b>i</b>	<b>P</b>	<b>R</b>	<b>1</b>	<b>25</b>

### Horizon Series™

HLR104-ADA	HLR105	HLR111	HLR120	HLR125	HLR245	HLR256
Lab/Pharm Undercounter	Lab/Pharm Undercounter	Laboratory Slimline Upright	Laboratory Upright	Laboratory Upright	Laboratory Upright	Laboratory Upright
4 113	5 142	11.5 326	20.2 572	25.2 714	44.9 1271	56 1585
24 x 32 x 26.75 610 x 813 x 680	24 x 34 x 26.75 610 x 864 x 680	24.25 x 70.5 x 24.5 616 x 1791 x 623	29.5 x 78.75 x 29.5 750 x 2001 x 750	29.5 x 78.75 x 35.5 750 x 2001 x 902	59.25 x 78.75 x 29.5 1505 x 2001 x 750	59.25 x 78.75 x 35.5 1505 x 2001 x 902
115 (60)	115 (60) 230 (50) 230 (60)	115 (60) 230 (50) 230 (60)	115 (60) 230 (50) 230 (60)	115 (60) 230 (50) 230 (60)	115 (60) 230 (50) 230 (60)	115 (60) 230 (50) 230 (60)
2 shelves	2 shelves	4 shelves	4 shelves	4 shelves	8 shelves	8 shelves
1	1	1	1	1	2	2

### Horizon Series™

HPR111	HPR120	HPR125	HPR245	HPR256	HPR225	HPR456
Pharmacy Slimline Upright	Pharmacy Upright	Pharmacy Upright	Pharmacy Upright	Pharmacy Upright	Pharmacy Pass-Thru	Pharmacy Pass-Thru
11.5 326	20.2 572	25.2 714	44.9 1271	56 1585	26.5 750	58 1642
24.25 x 70.5 x 24.5 616 x 1791 x 623	29.5 x 78.75 x 29.5 750 x 2001 x 750	29.5 x 78.75 x 35.5 750 x 2001 x 902	59.25 x 78.75 x 29.5 1505 x 2001 x 750	59.25 x 78.75 x 35.5 1505 x 2001 x 902	29.5 x 80 x 36 750 x 2032 x 915	59.25 x 80 x 36 1505 x 2032 x 915
115 (60) 230 (50) 230 (60)	115 (60) 230 (50) 230 (60)	115 (60) 230 (50) 230 (60)	115 (60) 230 (50) 230 (60)	115 (60) 230 (50) 230 (60)	115 (60) 230 (50) 230 (60)	115 (60) 230 (50) 230 (60)
1 shelf 5 roll-out baskets	1 shelf 6 roll-out baskets	1 shelf 6 roll-out baskets	2 shelves 12 roll-out baskets	2 shelves 12 roll-out baskets	3 shelves 3 drawers	6 shelves 6 drawers
1	1	1	2	2	2	4

## Ultra-Low Freezer Selection Guide

-50°C to -86°C Factory set to -80°C

- » Heat Barrier System™ reduces frost
- » Insulated and structurally reinforced inner doors
- » Ice-resistant sealing surface
- » Robust, single-handed door handle
- » Optimized oil management
- » Integrated Access Control
- » Diagnostic data provides faster troubleshooting

Select the Optimal Capacity and Design




		i.Series®			
		iUF116	iUF118	iUF124	iUF126
Application		Laboratory Upright	Laboratory Upright	Laboratory Upright	Laboratory Upright
Capacity	cu ft / liters	16 453	18 510	24 680	26 736
Dimensions Exterior	in mm	37.1 x 78.2 x 37.5 942 x 1986 x 953	32.5 x 78.2 x 37.5 826 x 1986 x 953	48.4 x 78.2 x 37.5 1229 x 1986 x 953	43.8 x 78.2 x 37.5 1113 x 1986 x 953
Electrical - Freq	V (HZ)	208/230 (60)	208/230 (60)	208/230 (60)	208/230 (60)
Storage	standard	3 shelves 4 compartments	4 shelves 5 compartments	3 shelves 4 compartments	4 shelves 5 compartments
Panels		Standard	Vacuum insulated	Standard	Vacuum insulated
Doors		1	1	1	1



i.Series Ultra-Low Freezer

800.743.5637

# Temperature Control & Monitoring

	i.Series®	Horizon Series™	Scientific Series™ (Undercounter models only)
			
Display	7" (177mm) full-color, door-mounted touchscreen	LED digital	LED digital
Alarm Test	Automatic high/low alarm testing (Peltier based)	Manual alarm test	No
USB Ports	(2) for download/upload/upgrade	No	No
RS232 Data Port	Optional	No	No
Dry Contact Alarm Connection	Yes	Yes	No
Password Protected Settings	Yes	No	No
Alarm Probes	Dual - 20 cf - 58 cf refrigerators & freezers Single - 11 cf ref, UC ref & frz	Single	No
Temperature Display	Digital - upper and lower chamber in °C and °F	LED - of upper chamber in °C and °F	LED - of upper chamber in °C and °F
Min/Max Temp Recording	Available through download	Display and reset	No
Alarms	High and low temperature Door ajar Power failure Condenser temperature Compressor (Ultra-Low Freezer only)	High and low temperature Door ajar Power failure	No
Alarm Adjustments	Alarm mute with adjustable ring-back interval Adjustable alarm volume and delay Four alarm tones	Alarm mute with 5-minute ring-back interval Alarm silence with key switch	No
Information Logs	Event Log Temperature Log Access Log Compressor Log	No	No
Battery Backup	Rechargeable	Yes	No
Digital Calibration	Yes	Yes	No
RJ45 Hub	For special applications	No	No

## Integrated Electronic Access Control

### i.Series®

Ultra-Low Freezers - Standard  
Refrigerators and Freezers - Optional

Integrated electromagnetic access control offers secure access to the refrigerator or freezer via the i.C<sup>3</sup> Information Center. An electromagnetic lock is integrated into the unit and controlled by PIN entry.



- » Up to 100 unique User ID's can be set up directly from the i.C<sup>3</sup> and programmed with an individual access PIN
- » The Access Control display can be used as an alternative Home Screen
- » The Access Control log provides an audit trail of door entries and can be downloaded
- » Key override is included

### Horizon Series™

Refrigerators and Freezers - Optional

The Horizon Access Control keypad provides 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



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