Platelet Storage Systems
Floor Model

*i.Series® and
Horizon Series™*

Floor Model Platelet Incubators and Agitators

Designed specifically for blood bank/ blood center applications

Helmer Scientific high-performance platelet incubators and agitators 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.

Floor Model Platelet Incubators

High-Quality Craftsmanship

· Superior chamber temperature uniformity with forced-air refrigeration system and precision pulse heating

· Forced-air circulation maintains chamber uniformity of ±1°C and provides quick recovery after door openings

· Non-CFC commercially available refrigerant is environmentally friendly

· Operating temperature range from +20ºC to +35ºC

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

· Exclusive Auto Stop/Start feature pauses agitation when incubator door is opened and automatically resumes agitation when door is closed ensuring continuous agitation of platelets

· Dual-pane tempered glass doors with magnetic seal

· Swivel locking casters for easy mobility

Secure Monitoring for a Safe Storage Environment

· Digital temperature display (i.Center® Monitoring system included on i.Series®)

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

· AgiTrack™ System monitors agitator performation (i.Series)

· 4" (102mm) chart recorder with 7-day circular charts; includes battery backup and inkless, pressure-sensitive chart paper

· Password protected settings (i.Series)

· Key lock

Designed for Convenience & Performance

· 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

· Solid stainless steel shelves support platelet agitators

· Top mounted controls are easy to reach

· Floor models from 192 whole blood derived (random) bags (32 to 132 single donor (aphersis) bags

· All controls in one convenient location

Platelet Agitators

High-Quality Craftsmanship

· Bacteria-resistant powder coated steel
· Internal fan
· Delrin® acetal resin rollers and glides for smooth agitation
· Motion alarm ensures platelets remain in motion
· Label holders
· One-piece removable, perforated drawers

Product Line Overview

Comparing i.Series® and Horizon Series™

Platelets merit the most advanced alarms/monitoring available because of their limited supply and short shelf life. The name Helmer has long been synonymous with dependable platelet storage. We have combined our experience and innovation to bring you the most advanced Platelet Storage Systems available today. The primary distinction between lines is the means of monitoring and control.
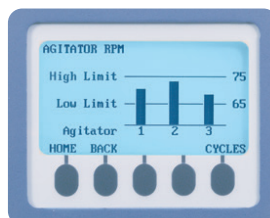
i.Series®	Horizon Series™
i.Center® advanced alarm/monitor	**Microprocessor temperature controller and alarm**
· i.Center LCD viewscreen	· LED digital display, top mounted
· Automatic high/low alarm testing (Peltier based)	· Manual alarm test
· Password protected settings	· Controller lockout
· Dry contact alarm connection	· Dry contact alarm connection
· Dual temperature probes (stainless steel in product simulation bottle)[1]	· Single temperature probe (stainless steel in product simulation bottle)
· Digital temperature display of upper and lower chambers[1]	
· Event log of alarm conditions	
· Agi-Track System (includes RPM display screen, agitator cycle counter, and motion alarm)	
· LCD 24-hour temperature graph	
· Digital calibration	
· Flash memory upgradeable	
· Battery back-up with continuous auto battery check	
· Date and time display	
· Alarm mute with adjustable ring-back interval	
· Adjustable and visual alarms	· Audible and visual alarms
· Adjustable alarm volume and type	· Fixed alarm volume and type
· High and low temperature alarms	· High and low temperature alarms
· Door ajar alarm	
· Power failure alarm	· Power failure alarm
· Condenser temperature alarm	
· No battery alarm	
· Low battery alert (visual)	
· Change chart paper alert (visual)	
· Optional RS232 data port	

[1] PC2200 models: single alarm probe and upper temperature display   Please note: Horizon Series™ agitators are not equipped with a motion alarm and cannot be monitored by the i.Series® AgiTrak system. Horizon agitators are not recommended for use in an i.Series® incubator.

i.Center® AgiTrak™ System

The i.Center® AgiTrak™ System monitors the function of agitators placed in an incubator to provide critical information on the performance of the agitators. The AgiTrak™ system is exclusive to i.Series® platelet incubators, and must be utilized with an i.Series® platelet agitator with a motion alarm.

- » RPM validation screen monitors the cycle speed of the agitator(s)
- » Validation screen includes agitator count and logs which record alarm conditions
- » Agitator cycle counter tracks the number of cycles on all agitators housed within the incubator.

Specifications

Model/Series	Capacity WBD SDP	Doors	Interior Dimensions WxHxD (in/mm)	Exterior Dimensions[1] WxHxD (in/mm)	Agitator Compatibility	Storage	Electrical Voltage (Hz)	Amps (FLA)[2]	Net Weight lb / kg
Platelet Incubators - Floor Model Temperature Range +20° to +35°C, factory set to +22°C									
PC2200i i.Series	192 64	2 Dual-pane	36.5 x 35.25 x 18 928 x 896 x 458	40.25 x 60 x 28 1023 x 1524 x 712	2 - PF96i	1 shelf	115 (60) 230 (50) 230 (60)	11.5 7 7	367 166
PC2200h Horizon Series	192 64	2 Dual-pane	36.5 x 35.25 x 18 928 x 896 x 458	40.25 x 60 x 28 1023 x 1524 x 712	2 - PF96i or 2 - PF96h	1 shelf	115 (60) 230 (50) 230 (60)	11.5 7 7	367 166
PC3200i i.Series	288 96	2 Dual-pane	36.5 x 50.75 x 18 928 x 1290 x 458	40.25 x 75.5 x 28 1023 x 1918 x 712	3 - PF96i	2 shelves	115 (60) 230 (50) 230 (60)	12 7 7	435 197
PC3200h Horizon Series	288 96	2 Dual-pane	36.5 x 50.75 x 18 928 x 1290 x 458	40.25 x 75.5 x 28 1023 x 1918 x 712	3 - PF96i or 3 - PF96h	2 shelves	115 (60) 230 (50) 230 (60)	12 7 7	435 197
PC4200i i.Series	396 132	2 Dual-pane	36.5 x 50.75 x 18 928 x 1290 x 458	40.25 x 75.5 x 28 1023 x 1918 x 712	Built-in	NA	115 (60) 230 (50) 230 (60)	14.5 8.3 8.3	667 302
PC4200h Horizon Series	396 132	2 Dual-pane	36.5 x 50.75 x 18 928 x 1290 x 458	40.25 x 75.5 x 28 1023 x 1918 x 712	Built-in	NA	115 (60) 230 (50) 230 (60)	14.5 8.3 8.3	667 302
Platelet Agitators									
PF96i i.Series	96 32	1	NA	33 x 15.25 x 14.5 838 x 388 x 369	PC2200i/h PC3200i/h	1 shelf 7 drawers	115 (60) 230 (50) 230 (60)	0.4 0.25 0.25	82 37
PF96h Horizon Series	96 32	1	NA	33 x 15.25 x 14.5 838 x 388 x 369	PC2200i/h PC3200i/h	1 shelf 7 drawers	115 (60) 230 (50) 230 (60)	0.4 0.25 0.25	82 37

Specifications subject to change. Meets AABB, ARC, and FDA standards for blood storage · Certified to applicable UL and CSA standards by a NRTL. Technical Data Sheets for all Platelet Incubators and Agitators are available at www.helmerinc.com. WBD = whole blood derived (random) SDP = single donor platelets (apheresis)
[1]Does not include door handle, electrical panel, and evaporation tray.
[2]FLA specification includes load of maximum number of Helmer agitator(s) operating inside the chamber

bsi. ISO 13485 Medical Devices Quality Management FM 536286   CE   CE 2797   RoHS COMPLIANT

Warranty

Incubators

i.Series®
Rel.i™   5 years compressor I 2 years parts I 1 year labor at Helmer

Horizon Series™
Standard   3 years compressor I 2 years parts I 1 year labor at Helmer

Agitators

Standard   2 years parts I 1 year labor at Helmer

Warranties applicable in the U.S. and Canada.
For international warranty information, contact your local distributor.

Options and Accessories

Chart Recorder Paper
4" (102mm) diameter, 0°C to +35°C, package of 52

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.

Label Holder Kit
Additional label holders for use on agitators

Chart Recorder Deduction

IQ/OQ Equipment Validation Guide

Temperature Validation

Certificate of Calibration

Extended Warranties

Helmer SCIENTIFIC®