

Innovation can be beautiful.

## Plasma Freezers Horizon Series™

### HPF 120



### HPF 125



Helmer has provided high-quality laboratory equipment and refrigerated products for over 30 years. Our experience and attention to detail allow us to provide a product that offers superior uniformity, outstanding reliability, and exceptional benefits that bring value everyday. In addition, our commitment to service and support ensures satisfaction throughout the life of your product.

### ***Benefits***

- Superior chamber temperature uniformity and quick recovery with heavy-duty, air-cooled refrigeration system
- Bacteria-resistant powder coated interior and exterior for added security
- Sure-Seal self-closing door with magnetic closure eliminates broken door latches
- Meets AABB, ARC, FDA, EU Blood Directive 2004/33/EC, and Part 4 of the Blood Safety and Quality Regulation 2005 standards for blood plasma storage

## Temperature Control and Monitoring

- Digital microprocessor temperature controller with a built-in alarm/monitor factory set to -30°C
- Single, stainless steel monitoring probe in product simulation bottle
- Digital offset adjustment for calibration
- Defrost can be programmed to actual time desired, allowing cycles to run automatically during low use periods
- Chart recorder with 4" (102mm), 7-day circular charts
  - Inkless, pressure-sensitive chart paper with a range of -50°C to 0°C
  - Battery backup
  - Touch button controls for chart changes and calibration
- Microprocessor-based controller with visual and audible alarm/monitor
  - LED digital display, top bezel mounted
  - Manual alarm test
  - Dry contact alarm connection
  - Single alarm probe
  - LED display of chamber temperature
  - Digital calibration
  - Battery backup
  - Alarm mute with 5-minute ring-back interval
  - Alarm silence with key switch
  - High and low temperature alarms
  - Door ajar alarm
  - Power failure alarm



## Refrigeration System

- Heavy-duty, air-cooled, forced-air refrigeration system with non-CFC R404A refrigerant provides high efficiency and is environmentally friendly
- Auto condensate evaporation. Evaporator fan(s) shut off during door openings to maintain stable temperatures
- Programmable electric defrost

## Cabinet Construction

- Bacteria-resistant powder coated interior and exterior
- Cold-Shield™ System: Air shield with hinged door and closely spaced drawers
- Superior engineered frame for maximum rigidity
- Heated door frame
- Innovative self-closing Sure-Seal door system if left open <20°
- Key lock
- Minimum of 2" (51mm) non-CFC foamed urethane insulation
- Dual, swivel locking casters
- Access port located in top of cabinet for external monitoring probe(s)
- Recessed floor for easy clean-up
- Hospital grade plug and cord

## Storage

- 8 solid stainless steel pull out drawers with Cold-Shield™ System
- Durable, liquid-tight construction for containment of spills
- Easy-Glide stainless steel drawer slides and standards for smooth operation at low temperatures

## Specifications

Model/Series	Operating Range	Volume (liter) plasma boxes	Interior Dimensions (w x h x d) (mm)	Exterior Dimensions (w x h x d) (mm)	Drawers	Compressor	Electrical	Net Weight
HPF120	-15° to -30°C	572 360 boxes	629 x 1480 x 616	750 x 2032 x 750	8	1.25 HP Air-Cooled R404 Non-CFC	230V 50Hz 3.8 FLA	228 kg
HPF125	-15° to -30°C	714 464 boxes	629 x 1480 x 769	750 x 2032 x 902	8	1.25 HP Air-Cooled R404 Non-CFC	230V 50Hz 3.8 FLA	252 kg

External transformers are not utilized.

Meets IEC 61010 Standard. Meets AABB, ARC and FDA standards for blood plasma storage.

Specifications subject to change. Certified to applicable UL and CSA standards by a NRTL.

