



# High Capacity Freezers (HC)

phasetwo's High Capacity (HC) series provides users the latest technology with capacities from 11,700 to 32,300 vials. Our freezers are equipped with the automated DLS3 control featuring dual level sensing and touch screen display, ensuring product viability and ease of use. Our premium multi-layer insulation and other materials along with the latest vacuum technology systems provides industry leading performance. phasetwo's HCHE Series stainless steel freezers are engineered and tested to meet or exceed current customer demands.

## Features

- Custom 10" Touchscreen Controller
- Integrated Wi-Fi/LAN with Remote Cloud Monitoring
- Level-Safe Technology- Dual Liquid Level Sensing for Sample Security
- Vapor Defog for Enhanced Sample Visibility
- Overfill protection via Solenoid Monitoring
- Samples can be stored in Vapor\* or Liquid
- Lid features Tension Hinges that maintain position at any angle

\* HC Series freezers are designed primarily for liquid phase storage; they can be used for vapor phase storage with phasetwo's aluminum rack systems. Please contact phasetwo for more information.



HC14



HC32



## HC Series High Capacity Cryogenic Freezers Specifications

| Technical Specification     | HC14        | HC32         |
|-----------------------------|-------------|--------------|
| LN2 Capacity, Liquid (L)    | 205         | 461          |
| Outer Diameter (in/mm)      | 25 (635)    | 36 (914)     |
| Overall Height (in/mm)      | 44.4 (1128) | 46.31 (1176) |
| Neck Opening (in/mm)        | 23 (584)    | 34.25 (870)  |
| Inner Usable Height (in/mm) | 29.0 (737)  | 29.0 (737)   |
| Weight Empty (lbs/kg)       | 220 (100)   | 480 (218)    |
| Weight Full (lbs/kg)        | 335 (152)   | 739 (335)    |
| Evaporation Rate (L/day)    | 6.5         | 10           |
| Static Holding Time (days)  | 32          | 46           |

| Storage Capacity, 2ml Vials                  | HC14             | HC32             |
|----------------------------------------------|------------------|------------------|
| 5-2 Vertical Racks, AL, 100/81-cell Boxes    | 13,500 (27 each) | 32,000 (64 each) |
| 13-2 Horizontal Racks, AL, 100/81-cell Boxes | 11,700 (9 each)  | 28,600 (22 each) |
| Combination System                           | 14,200           | 31,800           |
| 5-2 Vertical Racks, AL, 100/81-cell Boxes    | 5 each           | 10 each          |
| 13-2 Horizontal Racks, AL, 100/81-cell Boxes | 9 each           | 21 each          |

Evaporation Rate and Static Holding Time are nominal. Actual Evaporation rate and static holding time will be affected by application, atmospheric conditions, container history and manufacturing tolerances.

Vacuum: 5 year warranty | Materials and Workmanship: 2 year warranty

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