



## MVE HE 800 C

### Consistent Performance in a Compact Design.

The MVE HE 800 C from MVE Biological Solutions is a compact, high-performance cryogenic storage system designed to optimize space, efficiency, and sample management in laboratories and clinical environments.

#### ○ High-Efficiency Storage for LN<sub>2</sub> Applications

The MVE HE 800 C is designed for optimal storage of straws in liquid nitrogen (LN<sub>2</sub>) or vapor environments. Our advanced technology delivers premium temperature stability and high-capacity storage, maintaining reliable and secure preservation of valuable specimens.

#### ○ Sleek, Compact, and Accessible Design

The MVE HE 800 C freezer features a modern, space-saving design ideal for laboratories with limited space. The low lift-over height enhances user ergonomics, improving accessibility and reducing physical strain during daily operations.

#### ○ Streamlined Sample Management & Consistent Performance

The MVE HE 800 C is compatible with SUC-1 systems, allowing for faster, more organized sample retrieval and streamlined inventory management. With exceptional thermal stability, it maintains ultra-low temperatures to provide dependable and consistent performance for long-term sample preservation.



### Key Features & Benefits

- **Space-Saving:** Compact design ideal for constrained environments.
- **Operational Capacity:** 7 XC 47/11 = 1 HE 800 C
- **LN<sub>2</sub> Efficiency:** Consumes less LN<sub>2</sub> than a wide-neck dewar or open-top freezer
- **Enhanced Ergonomics:** Reduced physical strain by eliminating reaching under shelves or cabinets, virtually eliminating the need to bend over to lift canisters. Retrieve samples at counter-top height.
- **Reliable Preservation:** Maintains premium thermal stability for sample integrity.
- **Energy-Efficient:** Lower operation costs without compromising performance with controlled automated filling.

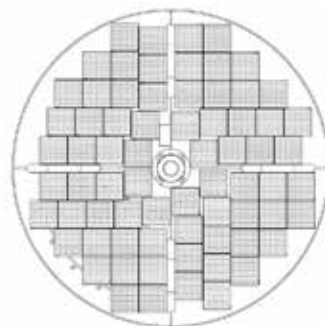
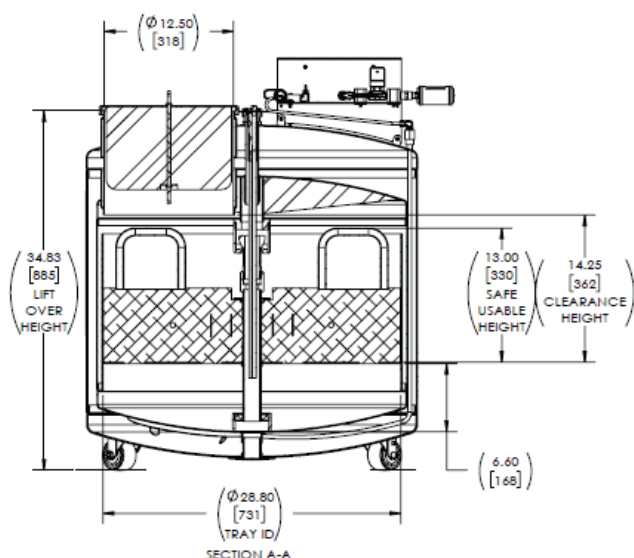
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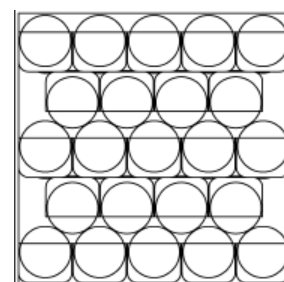
[www.airproducts.co.uk/biomedical](http://www.airproducts.co.uk/biomedical)

# MVE HE 800 C

Learn more at:  
[airproducts.expert/biomedical/mve-he800c](https://airproducts.expert/biomedical/mve-he800c)



Rack Layout



C-1 cane layout in SUC-1 box  
23 canes per box  
138 vials

## Specifications

### Performance:

- **Static NER:** 5 L / Day
- **LN<sub>2</sub> Capacity Liquid Full:** 205 L
- **LN<sub>2</sub> Capacity Vapor Storage:** 62 L
- **Static Hold Time - Vapor:** 11 Days
- **Static Hold Time - Liquid Full:** 40 Days

### Container Dimensions:

- **Neck Opening:** 12 1/2"
- **Usable Internal Height:** 13"
- **Inner Diameter:** 28 13/16"
- **Overall Height:** 44 9/16"
- **Liftover Height:** 34 13/16"
- **Outside Diameter:** 32"
- **Internal Diameter (Tray):** 28 13/16"
- **Weight Empty:** 330 lbs [145 kgs]
- **Weight Liquid Full:** 695 lbs [310 kgs]
- **Weight Vapor Storage:** 440 lbs [195 Kgs]

### Storage Working Capacity:

- **SUC-1 Canisters:** 71
- **1.0ml Vials:** 9,798
- **1.2ml Vials:** 10,224
- **2.0ml Vials:** 5,680
- **1/2cc Straws:** 22,010

## Applications

- IVF Facilities
- Clinical Laboratories
- Research Institutions
- Biopharma Applications
- Backup or Quarantine LN<sub>2</sub> Freezer

## Additional Accessories

- SUC-1 Rack Systems
- Backup Power Solutions
- Vacuum-jacketed Hose