

# MVE HEco™ 1500 Series Freezers

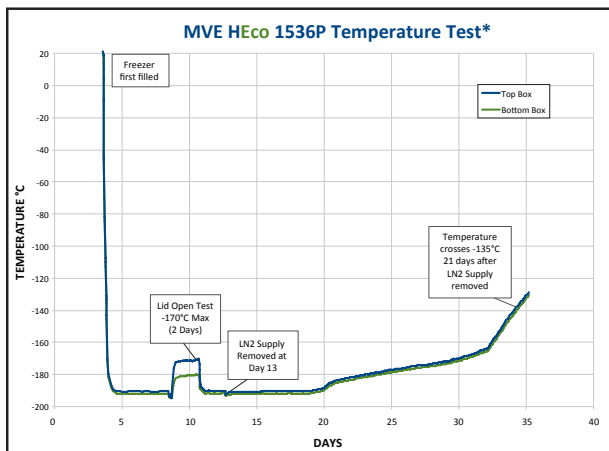


## Features include

- LN<sub>2</sub> efficiency
- Fully enclosed wiring and plumbing
- Vacuum jacketed transfer hose
- Dry sample storage
- -190°C top box temperature
- Lowest liftover height
- Two tier folding step

## Featuring the Chart MVE Touch Screen & TEC 3000

The MVE HEco 1500 Series freezers provide efficient use of LN<sub>2</sub>, making them the most efficient vapor freezers available. These next generation high efficiency freezers incorporate a hinged work surfaces that fully enclose all electronics and plumbing to enhance overall safety and usability. The technical and visual improvements combine to create a more aesthetically pleasing freezer that offers greater functionality. As with all of MVE's cryogenic freezers, the MVE HEco 1500 Series freezers are available in three unique sizes and provide maximum storage density as well as the longest hold time and highest sample security in the industry.



Temperature Test Graph

\* Temperature test indicates typical performance of HEco Series freezer with full inventory system and factory recommended level settings. Actual performance may vary with atmospheric conditions and usage.

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844-MVE-CRYO



	MVE HEco 1536P-190	MVE HEco 1539P-190	MVE HEco 1542R-190						
<b>Maximum Storage Capacity</b>									
1.2 & 2 ml Vials (Internally Threaded)	36,400	39,200	42,000						
Quantity of Large Racks 100 cell boxes	24	24	26						
Quantity of Mini Racks 25 cell boxes	16	16	16						
Number of Shelves per Rack	13	14	14						
<b>Performance</b>									
LN <sub>2</sub> Capacity w/o Inventory L est.	730	768	768						
LN <sub>2</sub> Capacity at Vapor Platform L est.	115	115	115						
<b>Unit Dimensions</b>									
Neck Opening in. (mm)	17.4 (442)	17.4 (442)	17.4 (442)						
Usable Internal Height in. (mm)	28.7 (730)	30.2 (767)	30.8 (782)						
Inner Diameter in. (mm)	38.5 (978)	38.5 (978)	38.5 (978)						
Overall Height in. (mm)	54.7 (1389)	56.8 (1442)	56.8 (1442)						
Liftover Height in. (mm)	37.3 (947)	39.4 (999)	39.4 (999)						
Door Width Requirement** in. (mm)	42.0 (1067)	42.0 (1067)	42.0 (1067)						
Door Width Requirement, with handles** in. (mm)	43.3 (1099)	43.3 (1099)	43.3 (1099)						
Weight Empty* lb. (kg)	700 (318)	700 (318)	700 (318)						
Weight Liquid Full* lb. (kg) est.	2000 (907)	2100 (953)	2100 (953)						
<b>Blood Bag Capacities</b>									
	Total Bags	Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames
791 OS/U Medsep (25 ml)	2,905	7	415	3,320	8 <sup>†</sup>	415	3,184	8 <sup>†</sup>	398
4R9951 (50 ml)	1,488	6	248	1,736	7	248	1,687	7	241
4R9953 (250 ml)	812	4	203	812	4	203	768	4	192
4R9955 (500 ml)	608	4	152	608	4	152	576	4	144
DF200 (200 ml)	496	4	124	496	4	124	488	4	122
DF700 (700 ml)	256	4	64	256	4	64	264	4	66

**TWO Year Parts Warranty • FIVE Year Vacuum Warranty**

Conforms to MDD 93/42/EEC, the Medical Device Directive for the EU. Freezer systems UL/C-UL Listed.

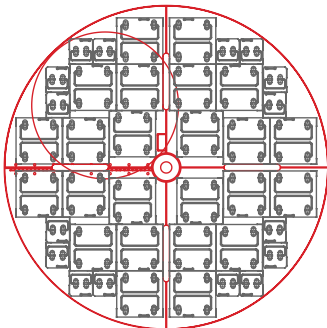
\* Without inventory

\*\*Minimum width required for vessel to pass through opening. Footprint may vary. Contact Tech Service for detailed drawings.

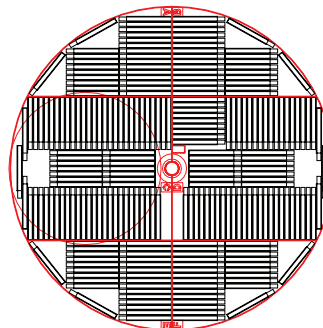
† Between usable height and clearance. Please refer to specifications.

## Rack Layout

Square Rack Layout (P)



4R9951 Layout (R)



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