

# MVE 1500 Series -190°C High Efficiency Freezer

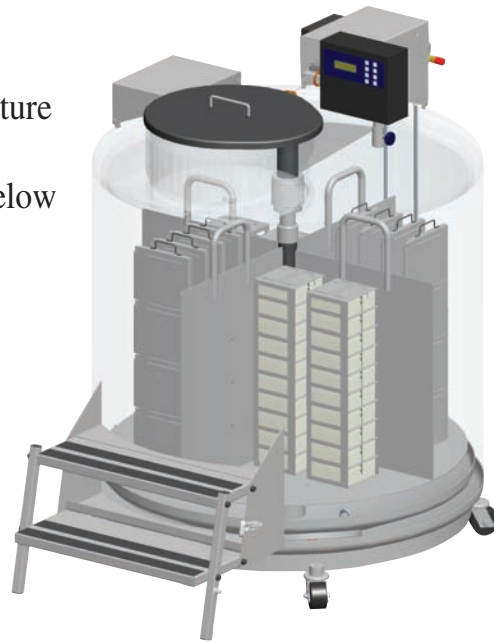
Air Products 0800 389 0202

The MVE 1500 Series -190°C freezers provide cryogenic storage for up to 42,000 1.2 / 2.0 ml vials. These freezers provide maximum storage density and provide the industry's longest hold time.

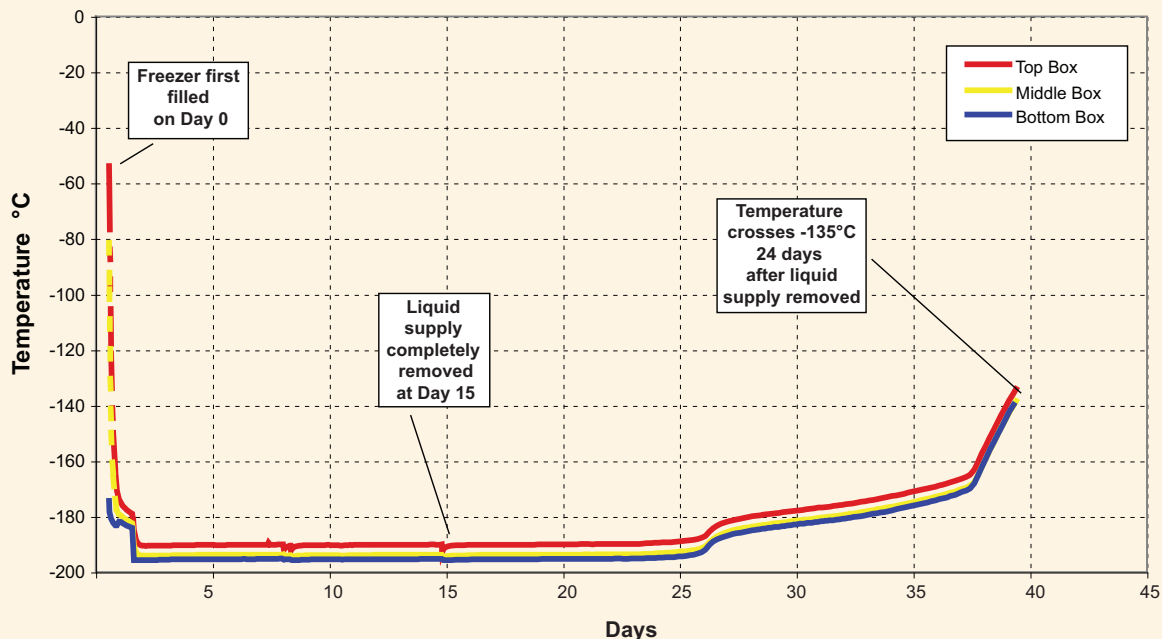
*Also available in -150°C versions*

## Features include:

- Dry sample storage
- -190°C top box temperature
- Lowest liftover height
- Largest LN2 capacity below turn tray
- 2-tier folding step

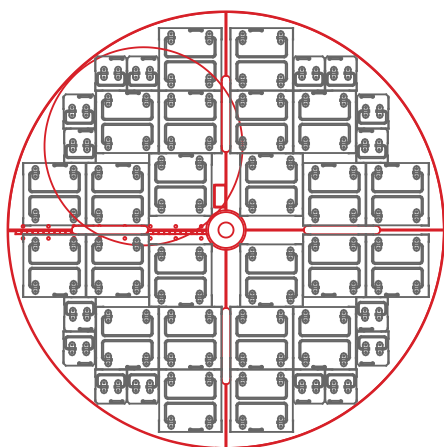


## Temperature Test\*

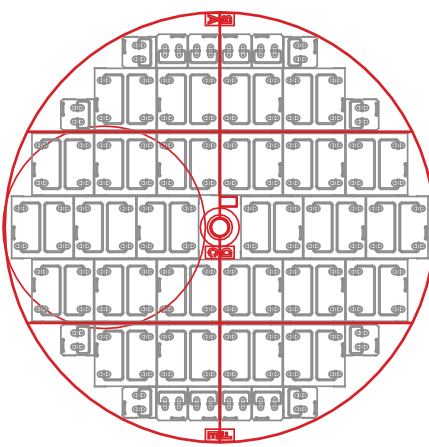


Contact Air Products for further information  
0800 389 0202

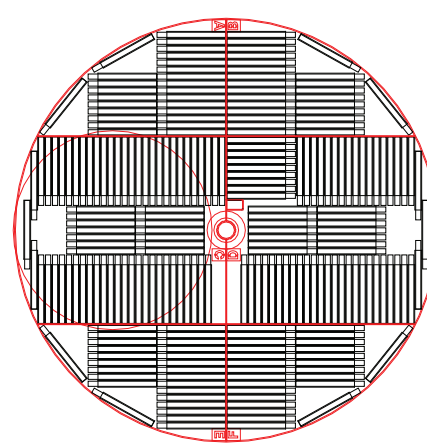
**Square Rack Layout (P)**



**Rack Layouts  
Square Rack Layout (R)**



**4R9551 Layout (R)**



**MVE 1536P-190**

**MVE 1539P-190**

**MVE 1542R-190**

**Maximum Storage Capacity**

<b>1.2 &amp; 2 ml Vials (Internally Threaded)</b>	36400	39200	42000
<b>Number of Racks 100 cell boxes</b>	24	24	26
<b>Number of Racks 25 cell boxes</b>	16	16	16
<b>Number of Stages per Rack</b>	13	14	14

**Performance**

<b>LN2 Capacity L</b>	756	797	797
<b>LN2 Capacity Under Platform Vapor Storage L</b>	133	133	133

**Unit Dimensions**

<b>Neck Opening in. (mm)</b>	17.5 (445)	17.5 (445)	17.5 (445)
<b>Usable Internal Height in. (mm)</b>	28.8 (732)	30.8 (782)	30.8 (782)
<b>Inner Diameter in. (mm)</b>	38.5 (978)	38.5 (978)	38.7 (983)
<b>Overall Height in. (mm)</b>	61.3 (1556)	63.3 (1607)	63.3 (1607)
<b>Liftover Height in. (mm)</b>	37.0 (940)	39.2 (995)	39.2 (995)
<b>Door Width Requirement** in. (mm)</b>	42.0 (1067)	42.0 (1067)	42.0 (1067)
<b>Depth of Extended Step in. (mm)</b>	7.9 (201)	7.9 (201)	7.9 (201)
<b>Weight Empty lb. (kg)</b>	690 (313)	720 (327)	720 (327)
<b>Weight Liquid Full* lb. (kg)</b>	2037 (924)	2140 (971)	2140 (971)

**Blood Bag Capacities**

	Total Bags	Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames
<b>791 OS/U (25 ml)</b>	3080	7	440	3064	8	383	3184	8	398
<b>Compact (25ml)</b>	4338	9	482	4338	9	482	4464	9	496
<b>4R9951 (50 ml)</b>	1488	6	248	1736	7	248	1687	7	241
<b>4R9953 (250 ml)</b>	812	4	203	812	4	203	768	4	192
<b>4R9955 (500 ml)</b>	608	4	152	608	4	152	576	4	144
<b>DF200 (200 ml)</b>	496	4	124	496	4	124	488	4	122
<b>DF700 (700 ml)</b>	256	4	64	256	4	64	264	4	66

**TWO Year Standard Warranty • FIVE Year Vacuum Warranty**

**Conforms to MDD 93/42/EEC, the Medical Device Directive for the EU.**

\* without inventory

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

**For further information,  
contact Air Products**

**T 0800 389 0202**

**E apukinfo@airproducts.com**

