

# MVE 1800 Series -190°C High Efficiency Freezer

Air Products 0800 389 0202

The MVE 1800 Series -190°C freezers provide cryogenic storage for up to 94,500 1.2 / 2.0 ml vials. These freezers provide maximum storage density and provide the industry's longest hold time.

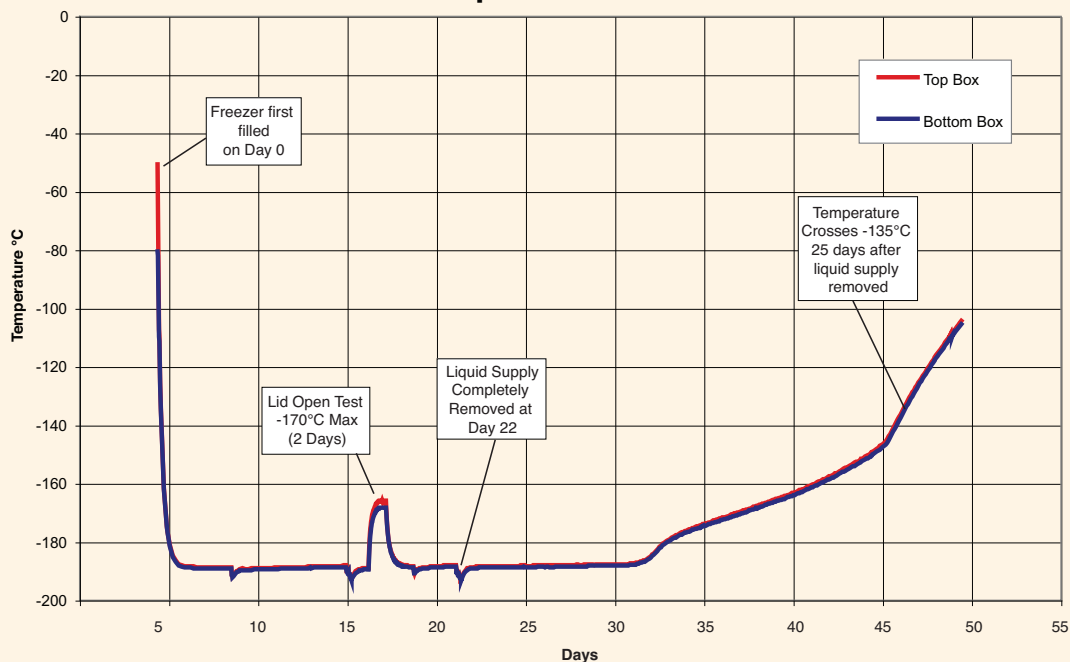
Also available in -150°C versions

## Features include:

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



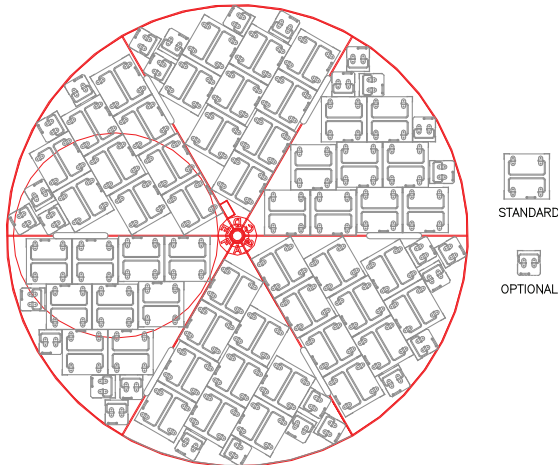
## Temperature Test\*



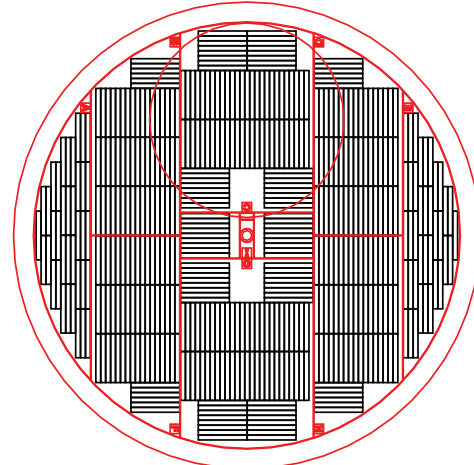
Contact Air Products  
for further information  
0800 389 0202

## Rack Layouts

Square Rack Layout



4R9951 Layout



**MVE 1800 Series -190°C  
High Efficiency Freezer**

MVE 1879P-190

MVE 1881R-190

MVE 1892P-190

MVE 1894R-190

### Maximum Storage Capacity

	MVE 1879P-190	MVE 1881R-190	MVE 1892P-190	MVE 1894R-190
<b>1.2 &amp; 2 ml Vials (Internally Threaded)</b>	79950	81900	92250	94500
<b>Number of Racks 100 cell boxes</b>	54	60	54	60
<b>Number of Racks 25 cell boxes</b>	30	12	30	12
<b>Number of Stages per Rack</b>	13	13	15	15

### Performance

	MVE 1879P-190	MVE 1881R-190	MVE 1892P-190	MVE 1894R-190
<b>LN2 Capacity L</b>	1745	1745	1770	1770
<b>LN2 Capacity Under Platform Vapor Storage L</b>	318	318	296	296

### Unit Dimensions

	MVE 1879P-190	MVE 1881R-190	MVE 1892P-190	MVE 1894R-190
<b>Neck Opening in. (mm)</b>	25.0 (635)	25.0 (635)	25.0 (635)	25.0 (635)
<b>Usable Internal Height in. (mm)</b>	29.5 (749)	29.2 (741)	34.5 (876)	34.2 (868)
<b>Inner Diameter in. (mm)</b>	56.0 (1422)	54.8 (1391)	56.0 (1422)	54.8 (1391)
<b>Overall Height in. (mm)</b>	62.1 (1577)	61.3 (1556)	67.1 (1704)	66.3 (1683)
<b>Door Width Requirement** in. (mm)</b>	60.0 (1524)	60.0 (1524)	60.0 (1524)	60.0 (1524)
<b>Weight Empty lb. (kg)</b>	1606 (728)	1721 (781)	1545 (701)	1721 (781)
<b>Weight Liquid Full* lb. (kg)</b>	4585 (2080)	4830 (2192)	4803 (2179)	4875 (2211)

### Blood Bag Capacities

	Total Bags	Bags/ Frame	No. Frames	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>	5866	7	838	5628	7	804	6704	8	838	6432	8	804
<b>Compact (25ml)</b>	8622	9	958	9414	9	1046	10538	11	958	11506	11	1046
<b>4R9951 (50 ml)</b>	2952	6	492	2940	6	490	3936	8	492	3920	8	490
<b>4R9953 (250 ml)</b>	1584	4	396	1608	4	402	1980	5	396	2010	5	402
<b>4R9955 (500 ml)</b>	1104	4	276	1240	4	310	1380	5	276	1550	5	310
<b>DF200 (200 ml)</b>	960	4	240	984	4	246	1200	5	240	1230	5	246
<b>DF700 (700 ml)</b>	504	4	126	544	4	136	630	5	126	680	5	136

**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,  
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