

MVE High Efficiency 1500 -190°C Series

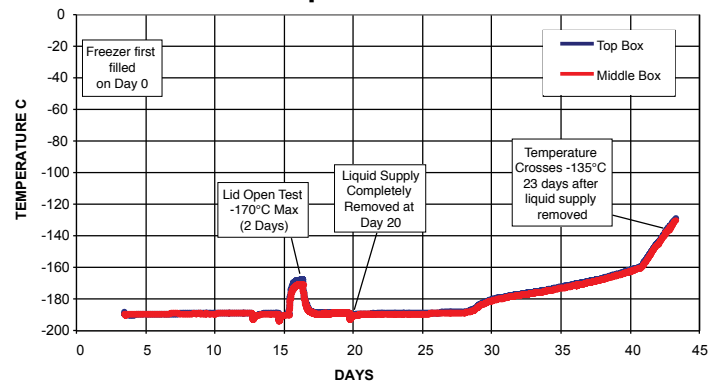
The MVE 1500 Series -190°C freezers provide cryogenic storage for up to 42,000 1.2 / 2.0 ml vials. Available in three unique sizes, these freezers provide maximum storage density and provide the industry's longest hold time.

Features include:

- Dry sample storage
- -190°C top box temperature
- Lowest liftover height
- Largest LN2 capacity at vapor platform
- 2-tier folding step
- Optional Battery Backup



Temperature Test*

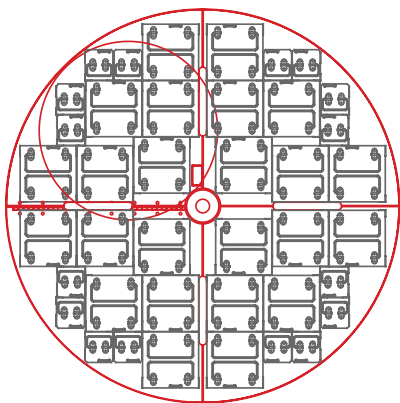


Temperature Test Graph

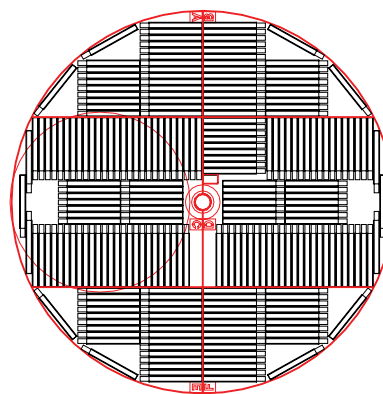
* Temp Test indicates typical performance of 1500 Series -190°C freezer with full inventory system and factory recommended level settings. Actual performance may vary with atmospheric conditions and usage.

Rack Layouts

Square Rack Layout (P)



4R9551 Layout (R)



	MVE 1536P-190	MVE 1539P-190	MVE 1542R-190						
Maximum Storage Capacity									
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						
High Security Straw Capacity (0.5 ml)	80,640	100,800	100,800						
Number of Canisters (73 mm)	120	120	120						
Goblets/Canister : Straws/Goblet	4:168	5:168	5:168						
Performance									
LN2 Capacity w/o Inventory L est.	756	797	797						
LN2 Capacity at Vapor Platform L est.	133	133	133						
Unit Dimensions									
Neck Opening in. (mm)	17.5 (445)	17.5 (445)	17.5 (445)						
Usable Internal Height in. (mm)	28.8 (732)	30.8 (782)	30.8 (782)						
Inner Diameter in. (mm)	38.5 (978)	38.5 (978)	38.7 (983)						
Overall Height w/ AutoFill in. (mm)	61.3 (1556)	63.3 (1608)	63.3 (1608)						
Liftover Height in. (mm)	37.1 (942)	39.2 (995)	39.2 (995)						
Door Width Requirement** in. (mm)	42.0 (1067)	42.0 (1067)	42.0 (1067)						
Depth of Extended Step in. (mm)	7.9 (201)	7.9 (201)	7.9 (201)						
Weight Empty* lb. (kg)	690 (313)	720 (327)	720 (327)						
Weight Liquid Full* lb. (kg) est.	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
791 OS/U Medsep (25 ml)	2,905	7	415	3,320	8 [†]	415	3,184	8 [†]	398
Compact Medsep (25 ml)	4,338	9	482	4,338	9	482	4,464	9	496
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.