



MVE High Efficiency 800 -190°C Series

Available with the TEC 3000

The MVE High Efficiency 800 Freezer Series provides vapor storage temperature at -190°C. Available in two unique sizes these freezers provide optimized storage density and provide long hold times. The MVE High Efficiency 800 Series freezer is capable of storing over 1800 blood bags.

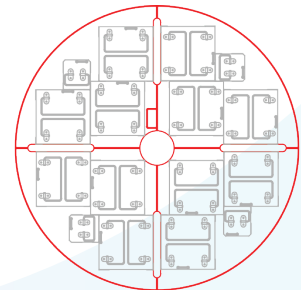
Key Features

- Dry sample storage
- -190°C top box temperature
- Low liftover height
- Large LN₂ capacity at vapor platform
- Optional Battery Backup

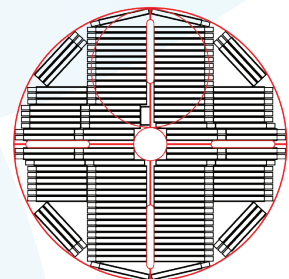


Rack Layout

Square Rack Layout (P)



4R9951 Layout (R)



MVE High Efficiency 800 -190°C Series

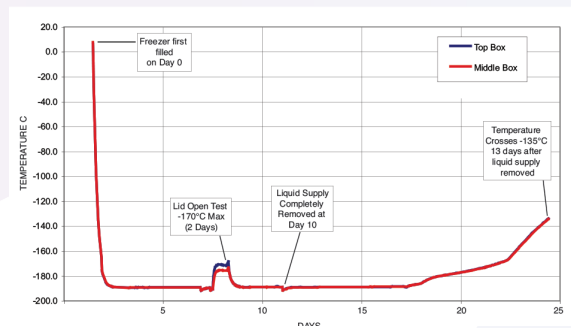
	MVE 815P-190	MVE 819P-190				
Maximum Storage Capacities						
○ 1.2 & 2 ml Vials (Internally Threaded)	15,600	19,500				
○ Quantity of Large Racks 100 cell boxes	12	12				
○ Quantity of Mini Racks 25 cell boxes	4	4				
○ Number of Shelves per Rack	12	15				
Performance						
○ LN ₂ Capacity at Vapor Platform L est.	62	55				
○ LN ₂ Capacity w/o Inventory L est.	360	463				
Unit Dimensions						
○ Neck Opening in. (mm)	12.5 (317)	12.5 (317)				
○ Usable Internal Height in. (mm)	26.5 (673)	34.5 (877)				
○ Inner Diameter in. (mm)	28.8 (731)	28.8 (731)				
○ Overall Height w/Autofill in. (mm)	58.2 (1478)	65.0 (1651)				
○ Door Width Requirement** in. (mm)	32.0 (813)	32.0 (813)				
○ Door Width Requirement** with handles in. (mm)	33.2 (843)	33.2 (843)				
○ Weight Empty* lb. (kg)	480 (218)	515 (234)				
○ Weight Liquid Full* lb. (kg) est.	1160 (526)	1340 (608)				
Blood Bag Capacities						
	Total Bags	Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames
○ 791 OS/U Medsep (25 ml)	1,224	6	204	1,836	9	204
○ 4R9951 (50 ml)	768	6	128	1024	8	128
○ 4R9953 (250 ml)	416	4	104	520	5	104
○ 4R9955 (500 ml)	304	4	76	380	5	76
○ DF200 (200 ml)	236	4	59	295	5	59

FIVE Year Vacuum Warranty - TWO Year Parts 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.



Temperature Test Graph

* Temp Test indicates typical performance of 800 Series -190°C freezer with full inventory system and factory recommended level settings. Actual performance may vary with atmospheric conditions and usage.

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