



MVE 800 Series -190°C High Efficiency Freezer

Air Products 0800 389 0202

The MVE 800 Series -190°C freezers provide stable cryogenic storage for up to 19,500 1.2 / 2.0 ml vials. These freezers provide maximum storage density and provide the industry's longest hold time.

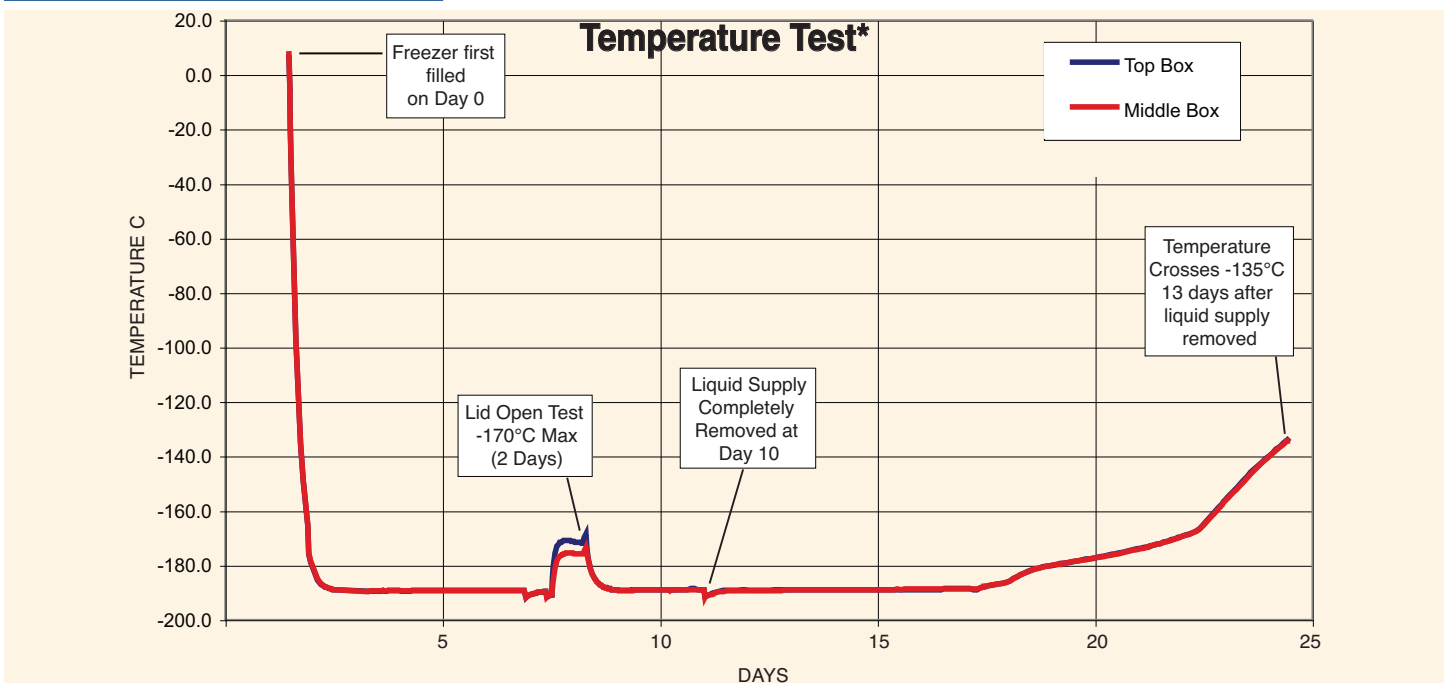
Also available in -150°C versions

Features include:

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



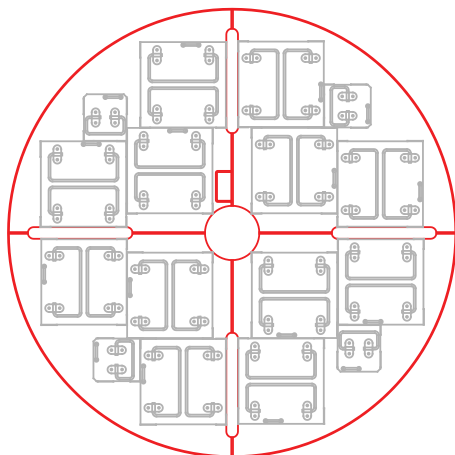
Optional Step (recommended for 818 & 819)



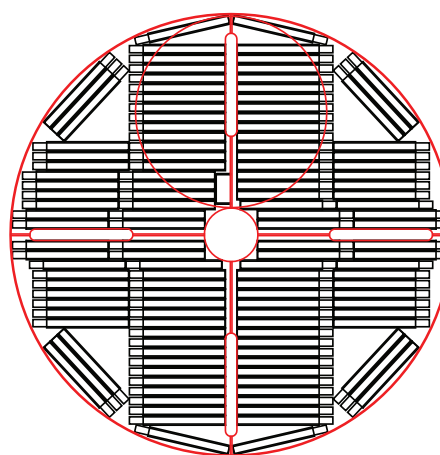
* Temp Test indicates typical performance of 800 Series -190°C freezer with full inventory system and factory recommended level settings. Actual performance may vary with atmospheric conditions and usage.

Rack Layouts

Square Rack Layout



4R9951 Layout



**MVE 800 Series -190°C
High Efficiency Freezer**

**MVE
815P-190**

**MVE
818P-190**

**MVE
819P-190**

Maximum Storage Capacity

	MVE 815P-190	MVE 818P-190	MVE 819P-190
1.2 & 2 ml Vials (Internally Threaded)	15600	18200	19500
Number of Racks 100 cell boxes	12	12	12
Number of Racks 25 cell boxes	4	4	4
Number of Stages per Rack	12	14	15

Performance

	MVE 815P-190	MVE 818P-190	MVE 819P-190
LN2 Capacity L	370	420	463
LN2 Capacity Under Platform Vapor Storage L	52	55	55

Unit Dimensions

	MVE 815P-190	MVE 818P-190	MVE 819P-190
Neck Opening in. (mm)	12.5 (317)	12.5 (317)	12.5 (317)
Usable Internal Height in. (mm)	26.6 (676)	30.7 (781)	34.5 (877)
Inner Diameter in. (mm)	28.8 (731)	28.8 (731)	28.8 (731)
Overall Height in. (mm)	49.0 (1245)	53.3 (1353)	57.0 (1449)
Door Width Requirement** in. (mm)	32.0 (813)	32.0 (813)	32.0 (813)
Weight Empty lb. (kg)	475 (215)	495 (225)	515 (234)
Weight Liquid Full* lb. (kg)	1134 (514)	1168 (530)	1340 (608)

Blood Bag Capacities

	Total Bags	Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames
791 OS/U (25 ml)	1224	6	204	1632	8	204	1836	9	204
Compact (25ml)	2064	8	258	2322	9	258	2838	11	258
4R9951 (50 ml)	768	6	128	896	7	128	1024	8	128
4R9953 (250 ml)	416	4	104	416	4	104	520	5	104
4R9955 (500 ml)	304	4	76	304	4	76	380	5	76
DF200 (200 ml)	236	4	59	236	4	59	295	5	59
DF700 (700 ml)	-	-	-	-	-	-	-	-	-

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

