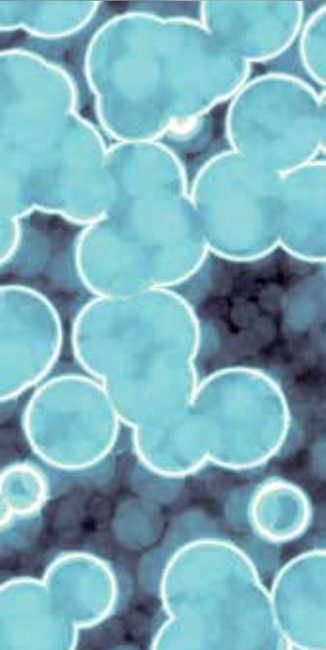


MVE High Efficiency 800 -190°C Series

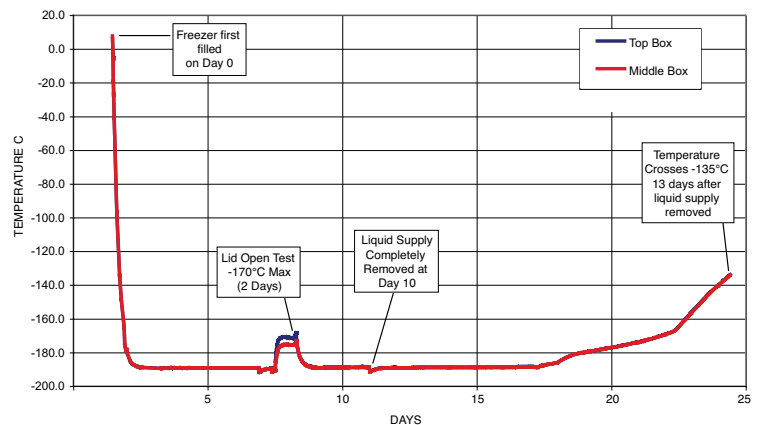
The MVE High Efficiency 800 Freezer Series provides vapor storage temperature at -190°C. Available in three unique sizes these freezers provide maximum storage density and provide the industry's longest hold time.

Features include:

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



- Optional One-Tier and Two-Tier Steps

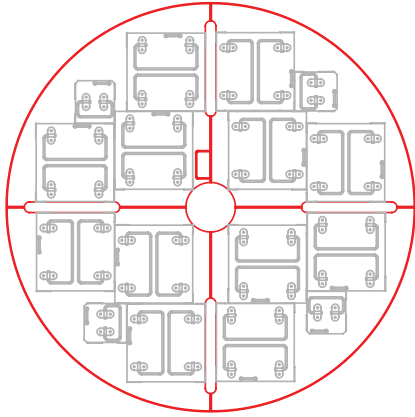


Temperature Test Graph

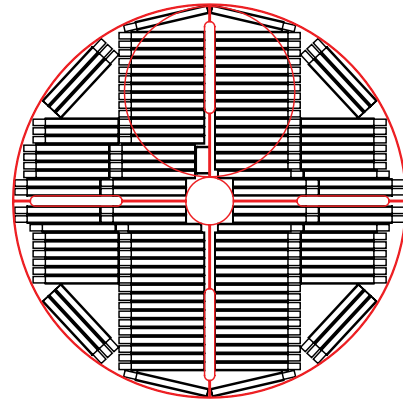
* Temp Test indicates typical performance of 800 Series -190°C freezer with full inventory system and factory recommended level settings. Actual performance may vary with atmospheric conditions and usage.

Rack Layouts (P)

Square Rack Layout



4R9951 Layout



| | MVE 815P-190 | | | MVE 818P-190 | | | MVE 819P-190 | | |
|--|--------------|-------------|------------|--------------|-------------|------------|--------------|-------------|------------|
| Maximum Storage Capacities | | | | | | | | | |
| 1.2 & 2 ml Vials (Internally Threaded) | 15,600 | | | 18,200 | | | 19,500 | | |
| Quantity of Large Racks 100 cell boxes | 12 | | | 12 | | | 12 | | |
| Quantity of Mini Racks 25 cell boxes | 4 | | | 4 | | | 4 | | |
| Number of Shelves per Rack | 12 | | | 14 | | | 15 | | |
| High Security Straw Capacity (0.5 ml) | 36,960 | | | 46,200 | | | 55,440 | | |
| Number of Canisters (73 mm) | 55 | | | 55 | | | 55 | | |
| Goblets/Canister : Straws/Goblet | 4:168 | | | 5:168 | | | 6:168 | | |
| Performance | | | | | | | | | |
| LN2 Capacity w/o Inventory L est. | 370 | | | 420 | | | 463 | | |
| LN2 Capacity at Vapor Platform L est. | 52 | | | 55 | | | 55 | | |
| Unit Dimensions | | | | | | | | | |
| Neck Opening in. (mm) | 12.5 (317) | | | 12.5 (317) | | | 12.5 (317) | | |
| Usable Internal Height in. (mm) | 26.5 (673) | | | 30.7 (781) | | | 34.5 (877) | | |
| Inner Diameter in. (mm) | 28.8 (731) | | | 28.8 (731) | | | 28.8 (731) | | |
| Overall Height w/Autofill in. (mm) | 57.0 (1448) | | | 61.3 (1556) | | | 65.0 (1651) | | |
| Door Width Requirement** in. (mm) | 32.0 (813) | | | 32.0 (813) | | | 32.0 (813) | | |
| Door Width Requirement** with handles in. (mm) | 33.2 (843) | | | 33.2 (843) | | | 33.2 (843) | | |
| Weight Empty* lb. (kg) | 475 (215) | | | 495 (225) | | | 515 (234) | | |
| Weight Liquid Full* lb. (kg) est. | 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 Medsep (25 ml) | 1,224 | 6 | 204 | 1,632 | 8 | 204 | 1,836 | 9 | 204 |
| 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) | 44 | 3 | 132 | 44 | 4 | 176 | 44 | 5 | 220 |

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.