

MVE 816P-2T-190



Innovative Inventory System

Two tier storage (with cutout in top tier)
allows convenient access to bottom tier.

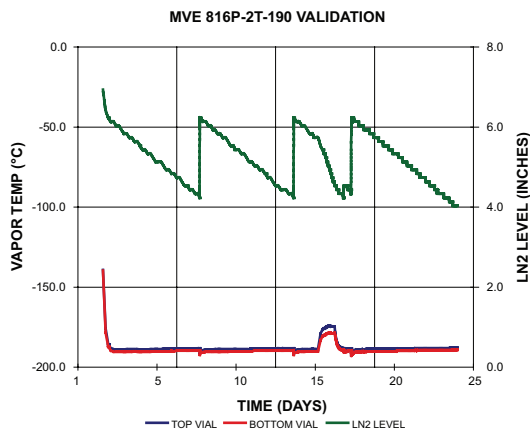


Features include

- Vapor phase storage temperature of -190°C^{*}
- Two tier storage system maximizes capacity while minimizing floor space
- High efficiency design with offset neck for lowest possible LN_2 consumption
- Optional Battery Backup
- TEC 3000 control system with liquid level control and temperature alarms
- Optional one-or two-tier step

Featuring the TEC 3000

The MVE 816P-2T-190 freezer is designed with the fertility market in mind. With its unique two-tier tray design, it can hold vials, straws and SUC-1 canisters which are used by leading fertility clinics worldwide. A constant temperature allows for vapor storage throughout the freezer at near liquid nitrogen temperatures. The innovative inventory system incorporates a two level storage arrangement that utilizes an access portal to allow removal of product stored on the lower level.



Temperature Test Graph

* Temp Test indicates typical performance of MVE 816P-2T-190 freezer with full inventory system and factory recommended level settings. Actual performance may vary with atmospheric conditions and usage.

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844-MVE-CRYO



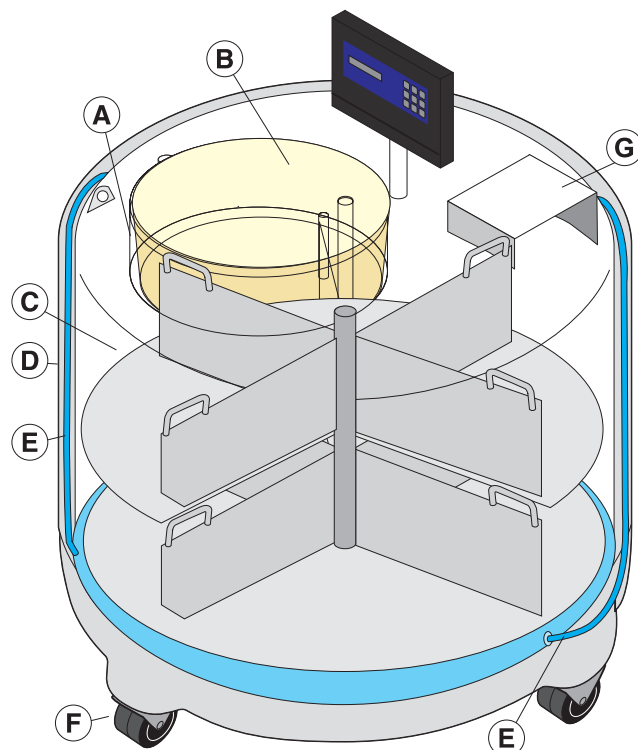
	MVE 816P-2T-190
Maximum Storage Capacity	
1.2 & 2 ml Vials (Internally Threaded)	10,500
Quantity of Large Racks 100 cell boxes	-
Quantity of Mini Racks 25 cell boxes	-
Number of Shelves per Rack	-
High Security Straw Capacity (0.5 ml)	31,584
Number of Canisters (73 mm)	94
Goblets/Canister : Straws/Goblet	2:168
Number of SUC-1 Canisters (2.5"x2.5"x11)	115
Number of 1.2 ml Vials on Canes	16,560
Number of 2.0 ml Vials on Canes	9,200
Number of 1/2 cc Straws 10/cane	35,650
Performance	
LN, Capacity w/o Inventory L est.	381
LN, Capacity at Platform Vapor L est.	56
Unit Dimensions	
Neck Opening in. (mm)	12.5 (317)
Usable Internal Height in. (mm)	13.0 (330) per level
Inner Diameter in. (mm)	28.70 (728) top tier 27.70 (702) bottom tier
Overall Height with Auto Fill in. (mm)	58.0 (1473)
Door Width Requirement** in. (mm)	32 (813)
Weight Empty* lb. (kg)	475 (215)
Weight Liquid Full* lb. (kg) est.	1155 (524)

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

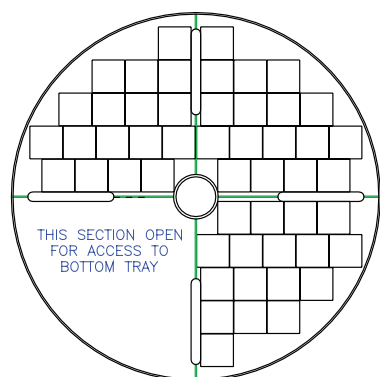
**Minimum width required for vessel to pass through opening. Footprint may vary.
Contact Tech Service for detailed drawings.



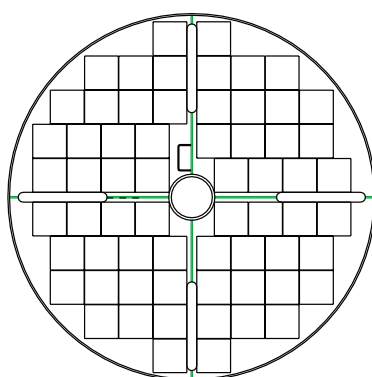
- A Offset neck design minimizes liquid nitrogen consumption
- B Lightweight composite lid is scratch and dent resistant
- C Two level rotating tray provides easy access to samples
- D Stainless steel construction reduces maintenance
- E Annular (internal) filling lines minimizes frost build up and reduces maintenance requirements
- F Durable casters equipped with brakes
- G Lid Stand

Rack Layout 115 SUC Boxes Total

Top Tray



Bottom Tray



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