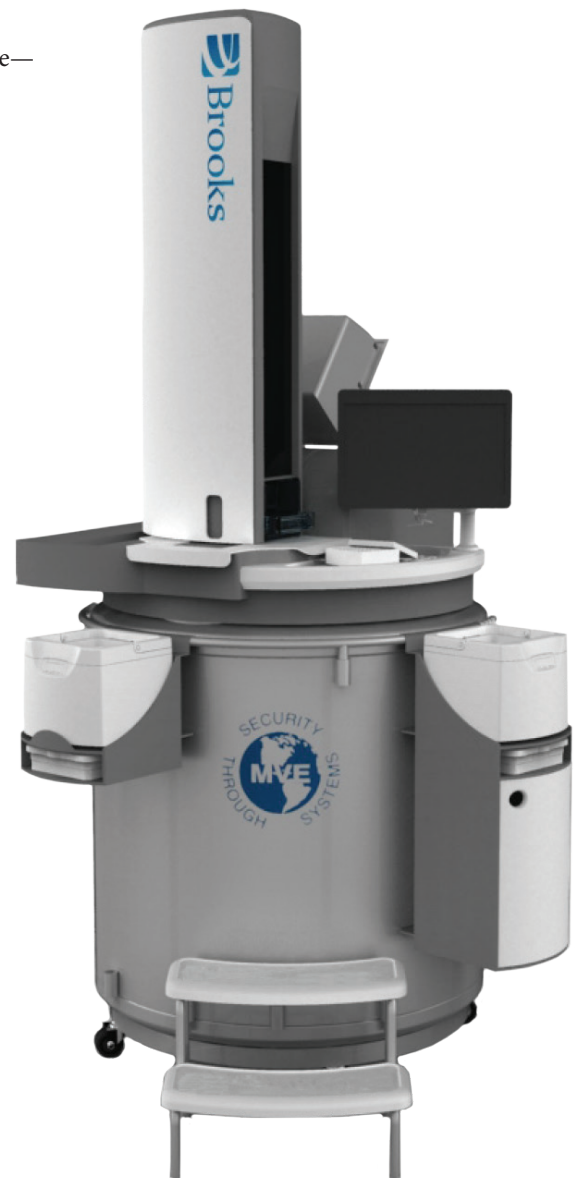


MVE Automation Series™ High Efficiency Freezer*

The MVE Automation Series unites security with function. The foundation begins with the Chart MVE 1500P-190 High Efficiency Freezer and a specially-engineered sample storage tray. The BioStore III Cryo is designed to retrieve samples from custom square racks. The automated retrieval device lifts the rack, allowing the operator to simply withdraw the sample with a few taps of the screen. Simple, safe, swift, secure—MVE Automation Series Freezer.

Features include:

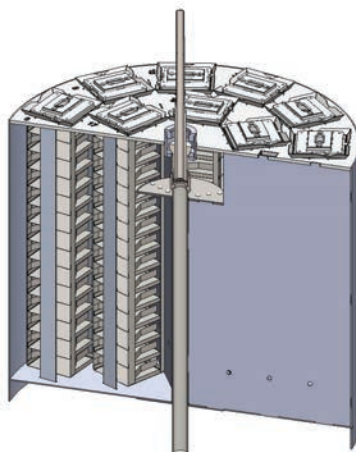
- Fully automated sample retrieval
- No lifting required
- Dry sample storage
- -190°C top box temperature
- Two tier step



*With BioStore III Cryo

Visit www.chartindustries.com/Life-Sciences for more information.

Rack Layout



MVE Automation Series

Maximum Storage Capacity	
1.2 & 2 ml Vials (Internally Threaded)	25,200 (estimated)
Number of Racks [†] 100 cell boxes	18
Number of Stages per Rack	14-2
Performance	
LN2 Capacity <i>L</i>	797
LN2 Capacity at Platform Vapor Storage <i>L</i>	133
Unit Dimensions	
Neck Opening with Automation Device <i>in. (mm)</i>	13.7 x 6.3 (348 x 160)
Neck Opening without Automation Device (MVE Factory) <i>in. (mm)</i>	17.5 (445)
Overall Height with Automation Device <i>in. (mm)</i>	108 (2743) (estimated)
Overall Height without Automation Device (MVE Factory) <i>in. (mm)</i>	56.8 (1445)
Door Width Requirement** <i>in. (mm)</i>	60.0 (1524)
Freezer Only Weight, Empty (MVE Factory) <i>lbs. (kg)</i>	720 (327)
Freezer Only Weight, Liquid Full, No Samples (MVE Factory) <i>in. (mm)</i>	2140 (971)

Warranty: Only on MVE Chart Freezer: TWO Year Parts Warranty • FIVE Year Vacuum Warranty

**Minimum width required for vessel to pass through opening. Footprint may vary.

†Can only be used with custom large square racks.

Chart MVE sells the freezer only. Brooks Automation sells/installs/service/maintains the Automation system.