



MVE Series

Stable cryogenic storage

The MVE Series freezers provide stable cryogenic storage for up to 39,000 1.2 / 2.0 ml vials. These freezers provide maximum storage density and provide long hold times. MVE Series are primarily designed for liquid storage.

Key Features

- Liquid sample storage
- Wide neck opening
- Low liftover height
- Large LN₂ capacity



MVE Series

	MVE 205	MVE 510	MVE 616	MVE 1426	MVE 1839
Maximum Storage Capacity					
○ Total Bulk Straw Capacity (1/4 cc in 65mm Goblets)	98,400	172,200	258,300	410,000	615,000
○ Total Number of 65mm Goblets : Goblets/Level	120:5	210:5	315:5	500:5	750:5
○ Total Straw Capacity (1/4cc - 10 per Cane)	6,820	12,090	18,910	31,000	51,150
○ Total Number of SUC-1 Canisters	22	39	61	100	165
Performance					
○ LN ₂ Capacity L	95	166	240	388	673
Unit Dimensions					
○ Neck Opening in. (mm)	16.00 (406)	20.70 (527)	25.10 (638)	31.75 (806)	39.40 (1002)
○ Usable Internal Height in. (mm)	28.9 (735)	30.0 (762)	29.5 (749)	29.3 (745)	33.6 (854)
○ Inner Diameter in. (mm)	16.00 (406)	20.70 (527)	25.1 (638)	31.75 (806)	39.40 (1002)
○ Overall Height w/ AutoFill in. (mm)	46.3 (1176)	46.7 (1185)	45.8 (1161)	46.8 (1188)	54.0 (1372)
○ Door Width Requirement** in. (mm) Outer Dimensions	23.6x22.7 (601x577)	30.6x29.7 (778x754)	33.5x34.6 (852x878)	40x41.6 (1017x1056)	46.8x48.9 (1187x1242)
○ Weight Empty lb. (kg)	195 (88)	281 (127)	320 (145)	490 (222)	750 (341)
○ Weight Liquid Full* lb. (kg)	365 (166)	577 (262)	748 (339)	1181 (536)	1950 (885)

FIVE Year Vacuum Warranty - TWO Year Parts Warranty

* Without inventory

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

Note: The usable height is decreased when using a vapor platform, and storage capacity is reduced when using a sleeve.

