

# MVE Series

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 the industry's longest hold time. Although engineered for liquid storage, the MVE Series freezers can be operated in vapor using available vapor storage accessory packs.

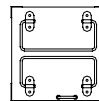
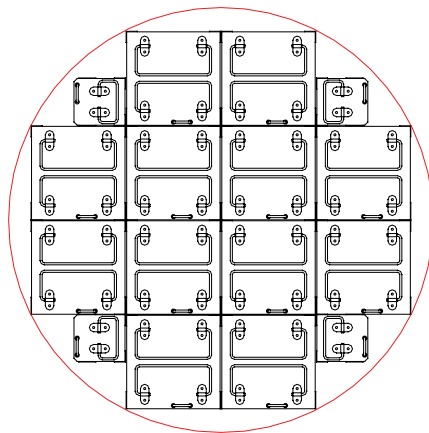
## Features include:

- Liquid sample storage
- Wide neck opening
- Lowest liftover height
- Largest LN2 capacity



## Rack Layouts

### Square Rack Layout

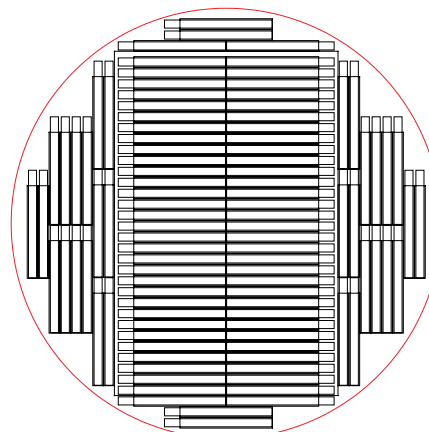


STANDARD



OPTIONAL

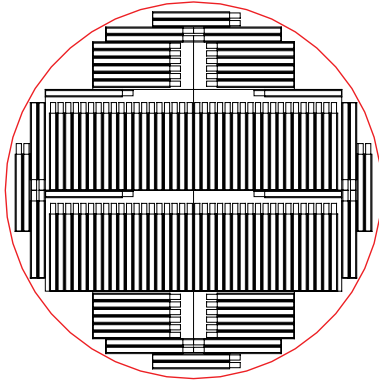
### 4R9951 Layout



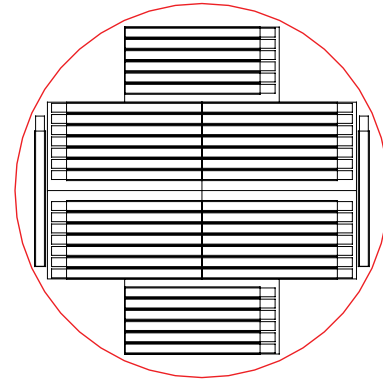
Visit [www.chartbiomed.com](http://www.chartbiomed.com) for more information.

## Rack Layouts

4R9953 Layout



DF700 Layout



	MVE 204*	MVE 205	MVE 510	MVE 616	MVE 1426	MVE 1839												
<b>Maximum Storage Capacity</b>																		
1.2 & 2 ml Vials (Internally Threaded)	3,200	5,200	10,400	16,900	26,650	39,000												
Number of Large Racks 100 cell boxes	4	4	7	12	18	28												
Number of Mini Racks 25 cell boxes	-	-	4	4	10	8												
Number of Shelves per Rack	8	13	13	13	13	13												
High Security Straw Capacity (0.5 ml)	11,592	19,320	32,760	50,400	79,800	151,200												
Number of Canisters (73 mm)	23	23	39	60	95	150												
Goblets/Canister : Straws/Goblet	3:168	5:168	5:168	5:168	5:168	6:168												
<b>Performance</b>																		
LN2 Capacity <b>L</b>	65	95	166	240	388	673												
<b>Unit Dimensions</b>																		
Neck Opening <i>in. (mm)</i>	16.00 (406)	16.00 (406)	20.70 (527)	25.10 (638)	31.75 (806)	39.40 (1002)												
Usable Internal Height <i>in. (mm)</i>	19.7 (502)	28.9 (735)	30.0 (762)	29.5 (749)	29.3 (745)	33.6 (854)												
Inner Diameter <i>in. (mm)</i>	16.00 (406)	16.00 (406)	20.70 (527)	25.13 (638)	31.75 (806)	39.40 (1002)												
Overall Height <i>in. (mm)</i>	30.8 (784)	41.6 (1059)	46.7 (1185)	45.8 (1161)	42.4 (1076)	54.0 (1372)												
Door Width Require- ment** <i>in. (mm)</i>	18.0 (457)	20.4x18.5 (518x470)	30.6x29.7 (778x754)	33.5x34.6 (852x878)	33.8x41.6 (858x1056)	46.1x48.3 (1172x1225)												
Weight Empty* <i>lb. (kg)</i>	79 (36)	195 (88)	281 (127)	320 (145)	490 (222)	750 (341)												
Weight Liquid Full* <i>lb. (kg)</i>	195 (88)	365 (166)	577 (262)	748 (339)	1181 (536)	1950 (885)												
<b>Blood Bag Capacities</b>	Total Bags	Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames
791 OS/U (25 ml)	-	-	-	539	7	77	882	7	126	1,372	7	196	2,226	7	318	3,968	8	496
4R9951 (50 ml)	-	-	-	228	6	38	420	6	70	612	6	102	924	6	154	1,856	8	232
4R9953 (250 ml)	-	-	-	128	4	32	224	4	56	336	4	84	512	4	128	1,010	5	202
4R9955 (500 ml)	-	-	-	96	4	24	160	4	40	248	4	62	424	4	106	770	5	154
DF200 (200 ml)	-	-	-	80	4	20	128	4	32	200	4	50	336	4	84	610	5	122
DF700 (700 ml)	-	-	-	40	4	10	68	4	17	116	4	29	168	4	42	380	5	76

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