

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.

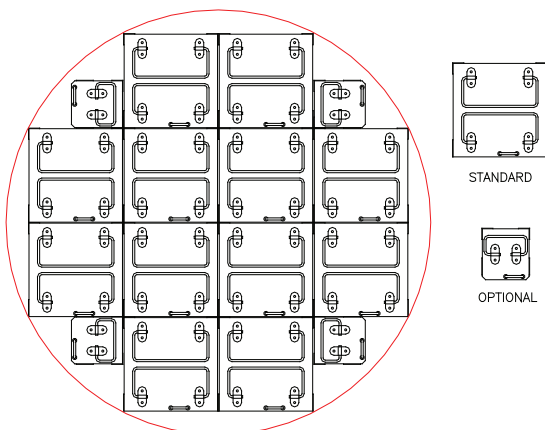
**Features include:**

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

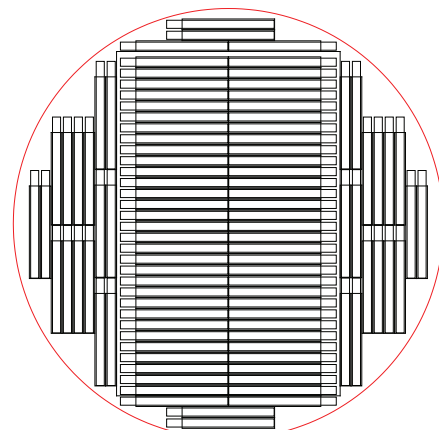


## Rack Layouts

**Square Rack Layout**

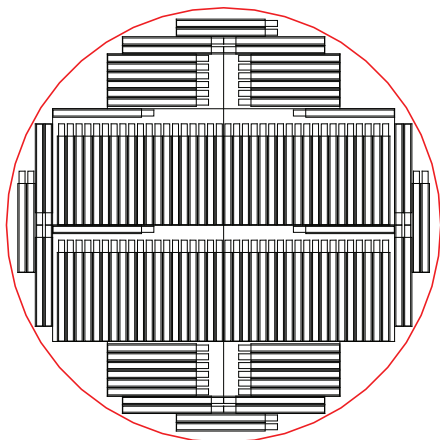


**4R9951 Layout**

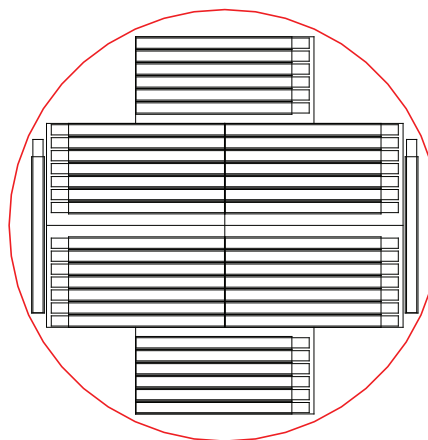


## Rack Layouts

4R9953 Layout



DF700 Layout



	MVE 204*	MVE 205	MVE 510	MVE 616	MVE 1426	MVE 1839
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### Maximum Storage Capacity

#### 1.2 & 2 ml Vials

(Internally Threaded)	3200	5200	10400	16900	26650	39000
Number of Racks <b>100 cell boxes</b>	4	4	7	12	18	28
Number of Racks <b>25 cell boxes</b>	-	-	4	4	10	8
Number of Stages per Rack	-	13	13	13	13	13

### Performance

LN2 Capacity <b>L</b>	65	95	166	240	388	673
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### Unit Dimensions

Neck Opening <b>in. (mm)</b>	16.00 (406)	16.00 (406)	20.70 (527)	25.10 (638)	31.75 (806)	39.40 (1002)
Usable Internal Height <b>in. (mm)</b>	19.7 (502)	28.9 (735)	30.0 (762)	29.5 (749)	29.3 (745)	33.6 (854)
Inner Diameter <b>in. (mm)</b>	16.00 (406)	16.00 (406)	20.70 (527)	25.13 (638)	31.75 (806)	39.40 (1002)
Overall Height <b>in. (mm)</b>	30.8 (784)	41.6 (1059)	46.7 (1185)	45.8 (1161)	42.4 (1076)	54.0 (1372)
Door Width Requirement** <b>in. (mm)</b>	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 <b>lb. (kg)</b>	79 (36)	195 (88)	281 (127)	320 (145)	490 (222)	750 (341)
Weight Liquid Full* <b>lb. (kg)</b>	195 (88)	365 (166)	577 (262)	748 (339)	1181 (536)	1950 (885)

### Blood Bag Capacities

	Total Bags/ No.			Total Bags/ No.			Total Bags/ No.			Total Bags/ No.			Total Bags/ No.			Total Bags/ No.		
	Bags	Frame	Frames	Bags	Frame	Frames	Bags	Frame	Frames	Bags	Frame	Frames	Bags	Frame	Frames	Bags	Frame	Frames
791 OS/U (25 ml)	-	-	-	539	7	77	882	7	126	1372	7	196	-	-	-	3968	8	496
4R9951 (50 ml)	-	-	-	228	6	38	420	6	70	612	6	102	924	6	154	1856	8	232
4R9953 (250 ml)	-	-	-	128	4	32	224	4	56	336	4	84	512	4	128	1010	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	854	7	122
DF700 (700 ml)	-	-	-	40	4	10	68	4	17	116	4	29	168	4	42	532	7	76

**TWO Year Standard Warranty • FIVE Year Vacuum Warranty**  
**Conforms to MDD 93/42/EEC, the Medical Device Directive for the EU.**

\* Without inventory

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

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