



CRYOGENIC PRODUCTS & SERVICES

Design

Installation

Service

Inspection

THAMES CRYOGENICS LTD

Total Cryogenic Solutions










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.

Key Features

-  Liquid sample storage
-  Wide neck opening
-  Lowest liftover height
-  Largest LN2 capacity
-  2 year standard warranty
-  5 year vacuum warranty
-  Many available accessories (see accessories datasheet).



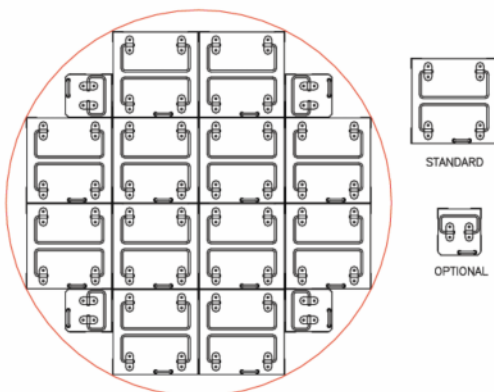
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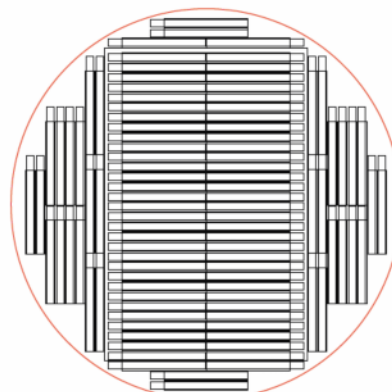
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Rack Layouts

Square Rack Layout



4R9951 Layout



**MVE
204***

**MVE
205**

**MVE
510**

**MVE
616**

**MVE
1426**

**MVE
1839**

Maximum Storage Capacity

1.2 & 2 ml Vials (Internally Threaded)	3.200	5.200	10.400	16.900	26.650	39.000
Number of Racks 100 cell boxes	4	4	7	12	18	28
Number of Racks 25 cell boxes	-	-	4	4	10	8
Number of Stages 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

Performance

LN2 Capacity L	65	95	166	240	388	673
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Unit Dimensions

Neck Opening in. (mm)	16,00 (406)	16,00 (406)	20,70 (527)	25,10 (638)	31,75 (806)	39,40 (1.002)
Usable Internal Height in. (mm)	19,7 (502)	28,9 (735)	30,0 (762)	29,5 (749)	29,3 (745)	33,6 (854)
Inner Diameter in. (mm)	16,00 (406)	16,00 (406)	20,70 (527)	25,13 (638)	31,75 (806)	39,40 (1.002)
Overall Height in. (mm)	30,8 (784)	41,6 (1.059)	46,7 (1.185)	45,8 (1.161)	42,4 (1.076)	54,0 (1.372)
Door Width Requirement** in. (mm)	18.0 (457)	20,4x18,5 (518x470)	30,6x29,7 (778x754)	33,5x34,6 (852x878)	33,8x41,6 (858x1.056)	46,1x48,3 (1.172x1.225)
Weight Empty lb. (kg)	79 (36)	195 (88)	281 (127)	320 (145)	490 (222)	750 (341)
Weight Liquid Full* lb. (kg)	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.	Total Bags/ No.
	Bags Frame	Bags Frame	Bags Frame	Bags Frame	Bags Frame	Bags Frame	Bags Frame
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	