



CRYOGENIC PRODUCTS & SERVICES

Design

Installation

Service

Inspection

THAMES CRYOGENICS LTD

Total Cryogenic Solutions



MVE XC Series



Key Features

- Designed for large capacity storage
- Low liquid nitrogen consumption
- Convenient lightweight package
- Spider design on platform for easy retrieval and insertion of product canisters
- Hydrophobic liquid nitrogen absorbent system

TWO Year Standard Warranty • FIVE Year Vacuum Warranty

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MVE XC Series tanks have capacities ranging from 700–5000 straws and 150 to over 1000 vials. Manufactured to a world class level of excellence and backed by an industry-leading 5 year vacuum warranty, these durable, lightweight units can be relied on to perform in the most demanding of environments.

	XC 20 Millennium	XC 21/6	XC 22/5	XC 32/8	XC 33/22	XC 34/18	XC 34/18 Plus***	XC 43/28	XC 47/11-6SQ	XC 47/11-6	XC 47/11-10
Maximum Storage Capacity											
Number of Canisters	6	9	6	9	6	6	6	6	6 sq.	6	10
Number of 1/2 cc Straws 10/cane	720	N/A	2.400	2.520	1.260	2.100	2.100	1.260	-	4.500*	3.500
Number of 1/2 cc Straws 1 Level Bulk	1.122	3.870	3.666	3.960	1.764	300	3.000	1.764	-	6.216	5.000
Number of 1.2 & 2.0 ml Vials 5/cane	210	N/A	810	855	360	630	630	360	-	1.320	1.050
Number of Racks 25 Vials	-	-	-	-	-	-	-	-	750	-	-
Performance											
LN2 Capacity L	20,5	21,0	22,4	32,0	33,4	67,5	34,8	42,2	47,4	47,4	47,4
LN2 Capacity Below Spider L	-	-	-	-	-	32,7	-	-	-	-	-
Static Evaporation Rate* L/day	,095	0,35	0,35	0,35	0,14	0,31	0,18	0,14	0,39	0,39	0,39
Normal Working Duration**, Full Days	135	38	40	57	154	136	123	193	76	76	76
Unit Dimensions											
Neck Opening in. (mm)	2,18 (55)	3,50 (89)	3,81 (97)	3,81 (97)	2,75 (70)	3,5 (89)	3,50 (89)	2,75 (70)	5,00 (127)	5,00 (127)	5,00 (127)
Overall Height in. (mm)	25,7 (652)	17,2 (438)	22,0 (559)	21,5 (546)	26,0 (660)	37,5 (952)	26,6 (675)	26,4 (670)	26,5 (673)	26,5 (673)	26,5 (673)
Overall Inner Height in. (mm)	-	-	-	-	-	-	33,5 (850)	-	-	-	-
Outer Diameter in. (mm)	14,5 (368)	18,2 (464)	14,5 (368)	18,2 (464)	18,2 (464)	18,2 (46,4)	18,2 (464)	20,0 (508)	20,0 (508)	20,0 (508)	20,0 (508)
Canister Height in. (mm)	11 (279)	5 (127)	11 (279)	11 (279)	111 (279)	11 (279)	11 (279)	11 (279)	-	11 (279)	11 (279)
Canister Diameter in. (mm)	1,65 (41)	2,59 (68)	3,09 (79)	2,62 (67)	2,22 (56)	2,8 (71)	2,81 (71)	2,22 (56)	-	4,00 (102)	2,81 (71)
Distance: Platform to Top of Neck in. (mm)	-	-	-	-	-	-	21 (533)	-	-	-	-
Weight Empty lb. (kg)	23 (10,5)	24 (10,9)	26 (11,8)	30 (13,6)	34 (15,4)	45,9 (20,8)	34 (15,4)	36 (16,4)	42 (19,0)	42 (19,0)	42 (19,0)
Weight with Canisters lb. (kg)	-	-	-	-	-	-	45,9 (20,8)	-	-	-	-
Weight Full lb. (kg)	59,5 (27,0)	62 (28,1)	66,0 (30)	87,0 (39,5)	94,0 (42,5)	104,4 (47,3)	96,0 (43,5)	111,0 (50,5)	120,4 (54,6)	120,4 (54,6)	120,4 (54,6)