

XC SERIES

LIQUID NITROGEN FREEZERS



The XC series is designed for the user who requires large capacity storage and low liquid nitrogen consumption in a convenient lightweight package. By integrating features users requested with the widest variety of holding times and storage capacities, MVE XC Aluminum Freezers are the units of choice.

Accessories:

- Caster Base
- Canister
- Spare Corks
- Liquid Level Measuring Stick

Accessories (continued):

- Transfer Hose
- Phase separator
- Square Racks
- Plastic Boxes (47/11-6 only)
- Liquid Level Alarm

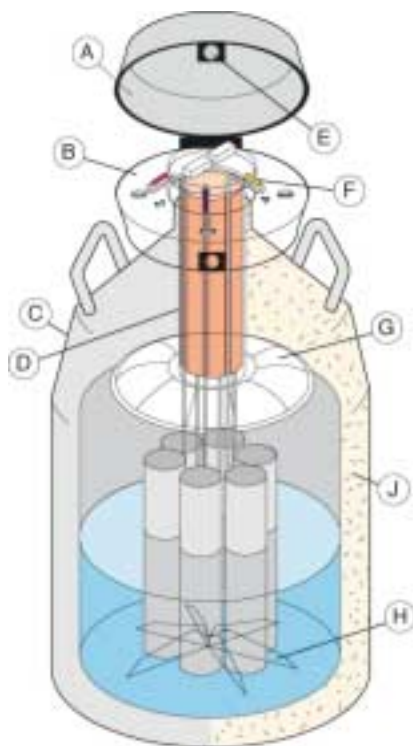
*Actual temperature may be +/- 10°C depending on current atmosphere condition, container history and actual product being stored.

SPECIFICATIONS

MODEL	MILLENNIUM XC21/6	XC 22/5	XC 32/8	XC 33/22	XC 34/18	XC 35/12	XC 43/28	XC 4711-6 SQ	XC 4711-6	XC 4711-10	
	20										
MAX. STORAGE CAPACITY											
Number of canisters	6	9	6	9	6	6	10	6	6 Sq.	6	10
No. of 1/2 cc straws (10/cane)	720	N/A	2,400	2,520	1,260	2,100	2,800	1,260	-	4,500	3,500
No. of 1/2 cc straws (1 Level Bulk)	1122	3,870	3,666	3,960	1,764	3,000	4,400	1,764	-	6,216	5,000
No. of 1.2 & 2.0 ml vials (5/cane)	210	N/A	810	855	360	630	950	360	-	1,320	1,050
No. of Racks (25 Vials)									6 (5/2)		
PERFORMANCE											
Liquid nitrogen capacity (liters)	20.5	21	22.4	32	33.4	34.8	34.8	42.2	47.4	47.4	47.4
Static evaporation rate (liters/day)*	0.95	.25	0.35	0.35	0.14	0.18	.24	0.14	0.39	0.39	0.39
Normal working duration (days)**	135	53	40	57	154	123	90	193	76	76	76
UNIT DIMENSIONS											
Neck opening in (mm)	2.18 (55.4)	3.5(89)	3.81 (97)	3.81 (97)	2.75 (70)	3.5 (89)	4 (102)	2.75 (70)	5 (127)	5 (127)	5 (127)
Overall height in (mm)	25.7(652)	17.2(438)	22 (559)	21.5 (546)	26 (660)	26.6 (675)	25 (635)	26.4 (670)	26.5 (673)	26.5 (673)	26.5 (673)
Outside diameter in (mm)	14.5 (368)	18.2(464)	14.5 (368)	18.2 (464)	18.2 (464)	18.2 (464)	18.25 (456)	20 (508)	20 (508)	20 (508)	20 (508)
Canister height in (mm)	11 (279)	5(127)	11 (279)	11 (279)	11 (279)	11 (279)	11 (279)	11 (279)	11 (279)	11 (279)	11 (279)
Canister diameter in (mm)	1.65 (41.9)	2.75(70)	3.09 (79)	2.62 (67)	2.22 (56)	2.81 (71)	2.6 (66)	2.22 (56)	4 (102)	4 (102)	281 (71)
Weight empty lbs (kg)	26 (11.8)	30(26.9)	26 (11.8)	30 (13.6)	34 (15.4)	34 (15.4)	34 (15.4)	36 (16.4)	36 (16.4)	36 (16.4)	36 (16.4)
Weight full lbs (kg)	62.5 (28.3)	62.5 (28.3)	66 (30)	87 (39.5)	94 (42.5)	96 (43.5)	95 (43.1)	111 (50.5)	120.4 (54.6)	120.4 (54.6)	120.4 (54.6)

* Static evaporation rate and static holding time are nominal. Actual rate and holding time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

** Normal Working Duration is an arbitrary reference, to estimate container performance under normal operating conditions. Actual working time may vary due to current atmospheric conditions, container history, manufacturing tolerances and any individual patterns of use.



- A Durable, tamper-proof lid design
- B Easy maintenance lid design
- C Superior strength, lightweight aluminum construction
- D High strength neck tube reduces liquid nitrogen loss
- E Locking tab
- F Color-coded canister/lid numbering system
- G Advanced Chemical Vacuum Retention System - designed for superior vacuum performance over the life of the product
- H Spider design - for easy retrieval and insertion of product canisters
- J Insulation - MVE's advanced insulation system provides maximum thermal performance

Five Year Vacuum Warranty



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