

KEY PRODUCT FEATURES AND BENEFITS

- Durable, tamper-proof lid design
- Superior strength, lightweight aluminium construction
- Low liquid nitrogen loss
- Easy maintenance lid design
- Locking tab
- Colour-coded canister/lid numbering system
- Spider design - for easy retrieval and insertion of product canisters



PRODUCT DESCRIPTION:

Chart MVE offers the widest range of compact aluminium storage tanks available on the market today. Whatever the application, you will find the perfect solution within the XC and SC product lines. Over the past 40 years, our product designs have benefited from end-user input and have evolved into a unique selection of units. Each unit is perfectly designed for various applications.

Wide Range of Sizes - The MVE SC and XC Series - have capacities ranging from 500 - over 6,000 straws and 150 to over 1,300 vials is designed for the user who requires large capacity storage and low liquid nitrogen consumption in a convenient lightweight package.

Lower Lifetime Costs - The unique design of the MVE SC and XC Series with its high strength neck tube, advanced chemical vacuum retention systems and advanced insulation system all provide maximum thermal performance which reduces liquid nitrogen boil off minimising your liquid nitrogen consumption.

Sample Security - The MVE SC and XC Series range have long liquid nitrogen holding times as a result of the superior vacuum performance, which is maintained over the life of the product, providing enhanced security for stored samples.

User Friendly Features - The SC and XC range feature a spider design for easy retrieval and insertion of product canisters with a colour coded numbering system. They have a durable, tamper-proof lid design with a locking tab.

Warranty - There is a **5 year vacuum warranty**. Chart MVE products have a rugged design, high quality welds and advanced vacuum technology.

CryoService Deliver a Total Solution - *to meet a wide variety of Cryopreservation requirements. This includes liquid gases and associated storage vessels, super insulated vacuum transfer pipelines, the best liquid nitrogen vapour storage freezers on the market, oxygen depletion systems and business management outputs – a total package from one provider. The Chart MVE range extends from a broad line of liquid and vapour phase freezers for straw, ampoule & blood bag storage to lightweight aluminium shippers and Dewars.*

CRYOPRESERVATION EQUIPMENT

SC AND XC SERIES - COMPACT ALUMINIUM LIQUID STORAGE

DETAILED SPECIFICATION

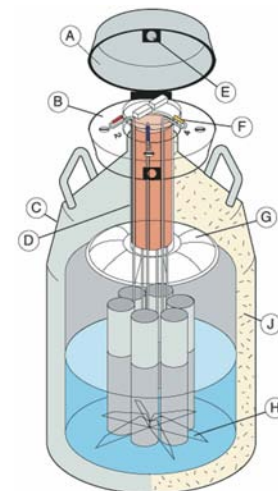
Model Name	SC SERIES								XC SERIES								
	Millennium 20	20/20	33/26	36/32	16/11	3/3	8/5	11/7	Millennium 20	33/22	43/28	34/18	22/5	21/6	32/8	47/11-10	47/11-6
MAX STORAGE CAPACITY																	
Number of Canisters	6	6	6	6	9	6	6	6	6	6	6	6	6	9	9	10	6
No. of 1/2 cc Straws (10/cane)	540	540	540	540	-	-	-	720	720	1,260	1,260	2,100	2,400	-	2,520	3,500	4,500
No. of 1/2 cc Straws (1 Level Bulk)	780	780	780	780	1,098	1,122	1,122	1,122	1,122	1,764	1,764	3,000	3,666	3,870	3,960	5,000	6,216
No. of 1.2 & 2.0ml Vials (5/cane)	150	150	150	150	-	-	-	210	210	360	360	630	810	-	855	1,050	1,320
PERFORMANCE																	
Liquid Nitrogen Capacity (litres)	21	21	33	37	16.4	3.6	8.4	11	20.5	33.4	42.2	34.8	22.4	21	32	47.4	47.4
Static Evaporation Rate (litres/day)*	0.10	0.09	0.13	0.10	0.140	0.13	0.15	0.16	0.10	0.14	0.14	0.18	0.35	0.35	0.35	0.39	0.39
Normal Working Duration (days)**	135	142	182	224	74	17	35	43	140	154	193	123	40	38	57	76	76
UNIT DIMENSIONS																	
Overall Height (mm)	652	652	657	690	444	406	470	549	652	660	670	675	559	438	546	673	673
Outside Dimensions (mm)	368	368	464	464	438	222	260	260	368	464	508	464	368	464	464	508	508
Neck Opening (mm)	55	51	51	51	55.4	55.4	55.4	55.4	55	70	70	89	97	89	97	127	127
Canister Height (mm)	279	279	279	279	127	127	127	279	279	279	279	279	279	127	279	279	279
Canister Diameter (mm)	38	38	38	38	38	42	42	42	42	56	56	71	79	70	67	71	102
Weight Empty (kg)	10.5	11.8	15.4	15.4	6.4	3.6	5.3	7.7	10.5	15.4	16.4	15.4	11.8	13.6	13.6	19	19
Weight Full (kg)	27	28.3	42.4	44.8	19.6	6.5	12.1	16.6	27	42.5	50.5	43.5	30	28.3	39.5	54.6	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.

The specifications above are for the most commonly used products in the SC and XC range, other more specialised units are available, ask your CryoService representative for more details.

- A Durable, tamper-proof lid design
- B Easy maintenance lid design
- C Superior strength, lightweight aluminium construction
- D High strength neck tube reduces liquid nitrogen loss
- E Locking tab
- F Colour-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



Conforms to MDD 93/42/EEC, the Medical Device Directive for the EU.

ACCESSORIES:

The following accessories are available to compliment the SC and XC range.

- Caster Base
- Spare Corks
- Canister
- Liquid Measuring Stick
- Transfer Hose
- Liquid Level Alarm
- Phase Separator