

## 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 - 5,000 straws and 150 to over 1,000 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.

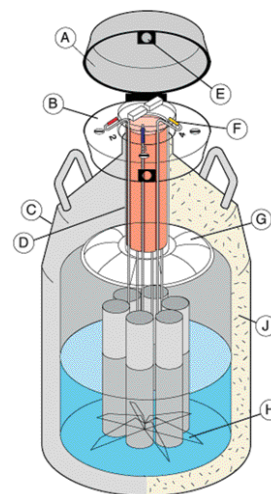
**CryoService Deliver a Total Solution** - to meet a wide variety of Cryopreservation requirements. This includes liquid gases and associated storage vessels, super insulated vacuum transfer pipelines, the best liquid nitrogen vapour storage freezers on the market, oxygen depletion systems and business 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.

### DETAILED SPECIFICATION

Model Name	SC 3/3	SC 20/20	SC 36/32	XC 32/8	XC 47/11-6	XC 47/11-10
<b>MAX STORAGE CAPACITY</b>						
Number of Canisters	6	6	6	9	6	10
No. of 1/2 cc Straws (10/cane)	-	540	540	2,250	4,500	3,500
No. of 1/2 cc Straws (1 Level Bulk)	732	780	780	3,960	6,216	5,000
No. of 1.2 & 2.0ml Vials (5/cane)	-	150	150	855	1,320	1,050
<b>PERFORMANCE</b>						
Liquid Nitrogen Capacity (litres)	3.6	20.5	36.5	32	47.4	47.5
Static Evaporation Rate (litres/day)*	0.12	0.09	0.1	0.35	0.39	0.39
Normal Working Duration (days)**	19	142	224	57	76	76
<b>UNIT DIMENSIONS</b>						
Overall Height (mm)	406	652	690	546	673	673
Outside Dimensions (mm)	222	368	464	464	508	508
Neck Opening (mm)	51	51	51	97	127	127
Canister Height (mm)	127	279	279	279	279	279
Canister Diameter (mm)	38	38	38	67	102	71
Weight Empty (kg)	3.6	11.8	15.4	13.6	19	19
Weight Full (kg)	65	28.3	44.8	39.5	54.6	54.6

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
- Square Racks
- Liquid Level Alarm
- Phase Separator
- Plastic Boxes