



CRYOGENIC PRODUCTS & SERVICES

Design

Installation

Service

Inspection

THAMES CRYOGENICS LTD

Total Cryogenic Solutions



MVE SC Series



Key Features

- Designed for large capacity storage
- Low liquid nitrogen consumption
- Strong, lightweight aluminum construction
- Spider design on platform for easy retrieval and insertion of product canisters
- Advanced chemical vacuum retention system

TWO Year Standard Warranty • FIVE Year Vacuum Warranty

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MVE offers the widest range of compact aluminum storage tanks available on the market today. Over the past 50 years, our product designs have improved through end-user input and evolved into a unique selection of units. The SC Series is designed for the user who has small capacity needs, but requires long-term storage and low liquid nitrogen consumption in a convenient lightweight package.

	SC 3/3	SC 8/5	SC 11/7	SC 16/11	SC 20/20	SC 33/26	SC 36/32	Super 2
Maximum Storage Capacity								
Number of Canisters	6	6	6	9	6	6	6	6
Number of 1/2 cc Straws 10/cane	-	-	720	-	540	540	540	720
Number of 1/2 cc Straws 1 Level Bulk	1.122	1.122	1.122	1.098	780	780	780	1.122
Number of 1.2 & 2.0 ml Vials 5/cane	-	-	210	-	150	150	150	210
Performance								
LN2 Capacity L	3,6	8,4	11,0	16,4	20,5	33,0	36,5	24,5
Static Evaporation Rate* L/day	0,13	0,15	0,16	0,14	0,09	0,13	0,10	0,085
Normal Working Duration**, Full Days	17	35	43	74	142	182	224	180
Unit Dimensions								
Neck Opening in. (mm)	2,18 (55)	2,18 (55)	2,18 (55)	2,18 (55)	2,00 (51)	2,00 (51)	2,00 (51)	2,18 (55,4)
Overall Height in. (mm)	16,0 (406)	18,5 (470)	21,6 (549)	17,5 (444)	25,7 (652)	25,9 (657)	27,2 (690)	28,2 (716)
Outer Diameter in. (mm)	8,7 (222)	10,2 (260)	10,2 (260)	17,2 (438)	14,5 (368)	18,2 (464)	18,2 (464)	14,5 (368)
Canister Height in. (mm)	5,0 (127)	5,0 (127)	11,0 (279)	5,0 (127)	11,0 (279)	11,0 (279)	11,0 (279)	11,0 (279)
Canister Diameter in. (mm)	1,65 (41,9)	1,65 (41,9)	1,65 (41,9)	1,50 (38)	1,50 (38)	1,50 (38)	1,50 (38)	1,65 (41,9)
Weight Empty lb. (kg)	8 (3,6)	12 (5,3)	17 (7,7)	14 (6,4)	26 (11,8)	34 (15,4)	34 (15,4)	26,5 (12)
Weight Full lb. (kg)	14,4 (65)	27,0 (12,1)	36,6 (16,6)	43,0 (19,6)	62,5 (28,3)	93,4 (42,4)	100,0 (44,8)	68,4 (31)