



MVE SC Series

Compact Aluminum Dewar

The SC Series of tanks offers standard inventory capacity with capacity across the tanks with increasing hold times depending on the capacity. Each tank is equipped with the 2.18in (55mm) neck opening setting the standard for the canister size and inventory capacity. The SC 20/20 Signature builds on the industry gold standard tank for years now revolutionizing into the world most efficient cryogenic dewar fitted with Bend Don't Break durability technology.

Key Features

- Designed for industry standard capacity storage
- Low liquid nitrogen consumption
- Convenient lightweight package
- SC 20/20 Signature includes Bend Don't Break™ durability feature



MVE SC Series

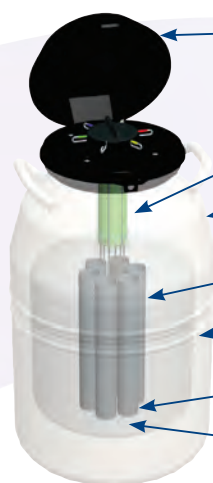
	SC 3/3	SC 11/7	SC 20/20 Signature
Maximum Storage Capacity			
○ Number of Canisters	6	6	6
○ Number of 1/2 cc straws 10/cane	-	660	660
○ Number of 1/2 cc straws 1 Level Bulk	440	879	879
○ Number of 1/4 cc straws	-	210	210
Performance			
○ LN ₂ Capacity L	3.6	11.0	20.5
○ Static Evaporation Rate L/day*	0.13	0.16	0.085
○ Static Holding Time days	17	43	150
Unit Dimensions			
○ Neck Opening in. (mm)	2.18 (55)	2.18 (55)	2.16 (55)
○ Overall Height in. (mm)	16.0 (406)	21.6 (549)	26.0 (660)
○ Outer Diameter in. (mm)	8.7 (222)	10.2 (260)	14.5 (368)
○ Canister Height in. (mm)	5.0 (127)	11.0 (279)	11.0 (279)
○ Canister Diameter in. (mm)	1.65 (41.9)	1.65 (41.9)	1.65 (41.9)
○ Weight Empty lb. (kg)	8 (3.6)	17 (7.7)	22.5 (10.2)
○ Weight Full lb. (kg)	14.4 (6.5)	36.6 (16.6)	58.99 (26.7)

FIVE Year Vacuum Warranty • TWO Year Parts Warranty

* 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.

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

Tank Features



- A Durable, tamper-proof lid design
- B High strength neck tube reduces liquid nitrogen loss
- C Strong, lightweight aluminum construction
- D Canisters
- E Advanced chemical vacuum retention system
- F Spider design on platform for easy retrieval and insertion of product canisters
- G Liquid Nitrogen Reservoir



MVE XC Series

Large capacity storage

MVE XC Series tanks have capacities ranging from 700–5000 straws and 210 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. The XC Series offers a range of capacity depending on on the user needs. Neck size and canister dimensions vary from model to model in order to optimize the sample capacity, inventory system, or holding time for each application.

Key Features

- Designed for large-capacity storage
- Low liquid nitrogen consumption
- Convenient lightweight package
- XC 20 Signature includes Bend Don't Break™ & Semen Safe™ durability features



MVE XC Series

	XC 20 Signature	XC 32/8	XC 33/22	XC 34/18	XC 47/11-6SQ	XC 47/11-6	XC 47/11-10
Maximum Storage Capacity							
○ Number of Canisters	6	9	6	6	6 sq.	6	10
○ Number of 1/2 cc Straws 10/cane	660	2,520	1,260	2,100	-	4,500+	3,500
○ Number of 1/2 cc Straws 1 Level Bulk	879	3,960	1,764	3,000	-	6,216	5,000
○ Number of 1/2 cc Straws 2 Level Bulk	1,680	-	-	630	-	1,320	1,050
○ Number of 1.2 & 2.0 ml Vials 5/cane	210	855	360	-	750	-	-
Performance							
○ LN ₂ Capacity L	20.5	32.0	33.4	34.8	47.4	47.4	47.4
○ Static Evaporation Rate* L/day	0.090	0.35	0.14	0.18	0.39	0.39	0.39
○ Normal Working Duration**, Full Days	142	57	154	123	76	76	76
Unit Dimensions							
○ Neck Opening in. (mm)	2.18 (55.4)	3.81 (97)	2.75 (70)	3.50 (89)	5.00 (127)	5.00 (127)	5.00 (127)
○ Overall Height in. (mm)	26.0 (660)	21.5 (546)	26.0 (660)	26.6 (675)	26.5 (673)	26.5 (673)	26.5 (673)
○ Overall Inner Height in. (mm)	-	-	-	-	-	-	-
○ Outer Diameter in. (mm)	14.5 (368)	18.2 (464)	18.2 (464)	18.2 (464)	20.0 (508)	20.0 (508)	20.0 (508)
○ Canister Height in. (mm)	11/5 (279/127)	11 (279)	111 (279)	11 (279)	-	11 (279)	11 (279)
○ Canister Diameter in. (mm)	1.65 (41.9)	2.62 (67)	2.22 (56)	2.81 (71)	-	4.00 (102)	2.81 (71)
○ Weight Empty lb. (kg)	22 (10)	30 (13.6)	34 (15.4)	34 (15.4)	42 (19.0)	42 (19.0)	42 (19.0)
○ Weight Full lb. (kg)	58.4(26.5)	87.0 (39.5)	94.0 (42.5)	96.0 (43.5)	120.4 (54.6)	120.4 (54.6)	120.4 (54.6)

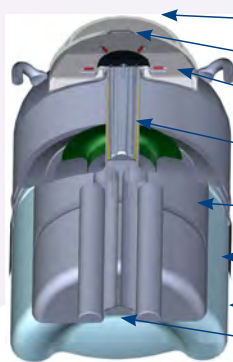
FIVE Year Vacuum Warranty • TWO Year Parts Warranty

* 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.

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

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

Tank Features



- A Tamper-proof, hinged lid
- B Locking tab
- C Color-coded canister/lid numbering system
- D High strength neck tube reduces liquid nitrogen loss
- E Advanced chemical vacuum retention system
- F Insulation to provide maximum thermal performance
- G Strong, lightweight aluminum construction
- H Spider design for easy retrieval and insertion of product