

# MVE Vapor Shipper Series

## With Advanced QWick™ Charge Technology and Next Generation Options

The MVE Vapor Shipper Series is engineered for the safe transportation of biological samples at cryogenic (-150°C or colder) temperatures. Constructed from durable, lightweight aluminum, each unit utilizes a hydrophobic compound to absorb liquid nitrogen, ensuring dry, spill-free vapor-phase shipping. MVE Protective Shipping Containers (PPSC) are recommended to maintain upright positioning and enable IATA Dangerous Goods Regulations Exempt classification (Special Provision A152) for safe and cost-effective international transport.

### New Models Available

The SC 4/2V and SC 4/3V are now available in both Legacy and Next Generation designs. The Next Generation models deliver significant improvements in durability, protection, and performance with:

- **BEND DON'T BREAK™ Technology** – a redesigned top head that absorbs G-force impacts to reduce structural failure.
- **Vapor Shield™ Protection** – reduces risk of vacuum degradation from LN<sub>2</sub> overfill.
- **Extended Hold Times**
  - SC 4/2V: 19 days (up from 13)
  - SC 4/3V: 26 days (up from 21)
- **Enhanced Neck Ring & Integrated Locking Tab** – greater structural integrity and reduced breakage risk.



## Key Features

- MVE Protective Shipping Containers (PPSC) recommended
- Protective containers ensure upright shipping
- Low liquid nitrogen consumption
- Lightweight easy-to-handle design
- Safe for international shipping – IATA Exempt (Special Provision A152)
- Charges in as little as 2 hours\*



# MVE Vapor Shipper Series

www.mvebio.com

	SC 2/1V	SC 4/2V Legacy	SC 4/2V (New)	SC 4/3V Legacy	SC 4/3V (New)	XC 30/12V	Cryo-Shipper	Cryo-Shipper XC	Cryo-Shipper 2000	IATA	XC 65/5V
Maximum Storage Capacity											
○ No. of Canisters	1	1	1	1	1	1	1 Rack	-	4 square racks	Stainless Steel Secondary Container Dimensions: 7-3/8" diameter 8-3/4" deep	1x 5/2 vial box rack (100 vials/box)
○ No. of 1/2 cc Straws (10/cane)	-	280	280	120	120	60		-	5 boxes per rack 2,000 total 1.2mL & 2.0mL vials (100/box)		
○ No. of 1/2 cc Straws (Bulk 1 Level)	88	440	440	210	210	312		-			
○ No. of 1/4 cc Straws (Bulk 1 Level)	182	938	938	452	452	660		-			
○ No. of 1.2 & 2.0 ml Vials (5/cane)	-	95	95	40	40	30		-			
○ No. of 1.2 & 2.0 ml Vials (6/cane)	-	102	102	48	48	36	500	966 (Bulk)			
○ No. of blood bags stored 4R9953	-	-	-	-	-	-	10	10			
Performance <i>(Hold Time overrides NER specifications)</i>											
○ LN <sub>2</sub> Capacity L	1.5	3.6	4.1	4.3	4.5	18	8.5	10.0	65	10.0	27.4
○ Static Holding Time Days*	8	13	19	21	26	82	10	14	15	14	40
○ Static Evaporation Rate** L/day	0.19	0.26	0.23	0.20	0.19	0.22	0.85	0.70	0.79	0.70	0.79
Unit Dimensions											
○ Neck Opening in. (mm)	1.40 (35.0)	2.75 (70.0)	2.75 (70.0)	2.00 (51.0)	2.00 (51.0)	2.00 (51.0)	8.50 (216.0)	8.50 (216.0)	8.5 (216)	8.50 (216.0)	8.50 (216.0)
○ Overall Height in. (mm)	13.5 (343)	18.4 (468)	19.6 (498)	19.4 (492)	19.6 (498)	24.3 (617)	21.5 (546)	23.0 (584)	27.2 (692)	23.0 (584)	27.3 (694)
○ Outer Diameter in. (mm)	7.25 (184)	8.70 (222)	8.94 (227)	8.70 (222)	8.94 (227)	17.0 (432)	14.50 (369)	15.00 (381)	22.0 (559)	15.00 (381)	22 (559)
○ Canister Height in. (mm)	5.0 (127)	11.0 (279)	11.0 (279)	11.0 (279)	11.0 (279)	11 (279)	11.0 (279)	12.5 (317.5)		8.75 (222.25)	-
○ Canister Diameter in. (mm)	1.20 (31)	2.62 (67)	2.62 (67)	1.81 (46)	1.81 (46)	1.96 (50)	5.6 (142) x 6.6 (167)***	8.5 (216)		7.375 (187.325)	-
○ Weight Empty lb. (kg)	6.0 (2.7)	10.0 (4.5)	12.4 (5.6)	11.6 (5.3)	12.5 (5.7)	44 (20)	26.1 (11.8)	33.0 (15.0)	65 (29.5)	33.0 (15.0)	74.5 (33.9)
○ Weight Charged lb. (kg)	8.0 (3.6)	17.1 (7.7)	19.7 (8.9)	19.1 (8.7)	20.05 (9.3)	76 (34)	39.0 (17.7)	49.0 (22.2)	95 (43.1)	49.0 (22.2)	145.5 (66.2)
○ Weight Full lb. (kg)	9.0 (4.1)	20.0 (9.1)	23.3 (10.6)	21.0 (9.5)	23.2 (10.5)	82 (37.2)	54.5 (24.7)	73.0 (33.1)	185 (83.9)	73.0 (33.1)	185 (83.9)
○ Protective Shipping Container Part No.	20750408	20750409	20750409	20750409	20750409	21325842	20750520	10741726	12875162	10741726	12875162

## TWO Year Parts Warranty • THREE Year Vacuum Warranty

\* Hold time specs: actual performance may vary with atmospheric conditions, sample temperature, and usage.

\*\* Without inventory

\*\*\* CryoShipper has a rectangular assembly measuring 5.6" (142 mm) by 6.6" (167 mm) with a usable height of 11.0" (279 mm).

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

Legacy refers to the original SC 4/2V and SC 4/3V models. New models incorporate updated design and performance improvements.