

MVE Vapor Shipper Series

With Advanced QWick™ Charge Technology

The MVE Vapor Shipper Series is designed for the safe transportation of biological samples at cryogenic (-150°C or colder) temperatures. MVE Vapor Shipper Series utilizes the Advanced QWick Charge Technology that will charge the vapor shipper in two hours. *New/warm tanks still need to be filled with LN₂ and allowed to sit for 24 hours to achieve maximum hold time. When a tank is already cold, the Advanced QWick Charge technology will apply, providing the benefit of same-day vapor shipping. Manufactured from durable, lightweight aluminum, the vapor shippers employ a hydrophobic compound which absorbs the liquid nitrogen to ensure dry, spill-free vapor-phase shipping. MVE Protective Shipping Containers are recommended for usage. These containers may be used to ship your samples with a “non-hazardous” classification throughout the world, thus reducing costs and helping to assure sample viability.

Key Features

- MVE Protective Shipping Containers are recommended
- Protective shipping containers ensure upright shipping
- Low liquid nitrogen consumption
- Convenient lightweight package
- Safe for international shipping; IATA Dangerous Goods Regulations Exempt (Special Provision A152)
- Charges in 2 hours*





MVE Vapor Shipper Series

	SC 2/1V	SC 4/2V	SC 4/3V	XC 30/12V	Cryo-Shipper	Cryo-Shipper XC	CryoShipper 2000	IATA	65/5V
Maximum Storage Capacity									
○ No. of Canisters	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	120	60		-			
○ No. of 1/2 cc Straws 1 Level Bulk	88	44	210	312		-			
○ No. of 1/4 cc Straws 1 Level Bulk	182	938	452	660		-			
○ No. of 1.2 & 2.0 ml Vials 5/cane	-	95	40	30		-			
○ No. of 1.2 & 2.0 ml Vials 6/cane	-	102	48	36		500	966 (Bulk)		
○ No. of blood bags stored 4R9953	-	-	-	-	10	10			
Performance (Hold Time overrides NER specifications)									
○ LN ₂ Capacity L	1.5	3.6	4.3	18	8.5	10.0	65	10.0	27.4
○ Static Holding Time Days	8	13	21	82	10	14	15	14	40
○ Static Evaporation Rate* L/day	0.19	0.26	0.20	0.22	0.85	0.70	.79	0.70	0.79
Unit Dimensions									
○ Neck Opening in. (mm)	1.40 (35.0)	2.75 (70.0)	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)	19.4 (492)	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)	8.70 (222)	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 (279)	11.0 (279)	12.5 (317.5)		8.75 (222.25)	-
○ Canister Diameter in. (mm)	1.20 (31)	2.62 (67)	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)	11.6 (5.3)	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)	19.1 (8.7)	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)	21.0 (9.5)	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	21325842	20750520	10741726	12875162	10741726	12875162

TWO Year Parts Warranty • THREE Year Vacuum Warranty

* 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).

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

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** Advanced chemical vacuum retention system
- E** Hydrophobic Liquid Nitrogen absorbent system

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