

# **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 LN<sub>2</sub> 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 Al52)
- O 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	-	-	4 square racks		
O No. of 1/2 cc Straws 10/cane	-	280	120	60			Stainless Steel		
O No. of 1/2 cc Straws 1 Level Bulk	88	44	210	312	1 Rack	-	5 boxes per rack 2,000 total 1.2mL & 2.0mL vials (100/box)	Secondary Container Dimensions: 7-3/8" diameter 8-3/4" deep	1x 5/2 vial box rack (100 vials/box)
O No. of 1/4 cc Straws 1 Level Bulk	182	938	452	660		-			
O No. of 1.2 & 2.0 ml Vials 5/cane	-	95	40	30		-			
O No. of 1.2 & 2.0 ml Vials 6/cane	-	102	48	36	500	966 (Bulk)			
O No. of blood bags stored 4R9953	-	-	-	-	10	10			
Performance (Hold Time overrides NER specifications)									
o LN <sub>2</sub> Capacity L	1.5	3.6	4.3	18	8.5	10.0	65	10.0	27.4
O Static Holding Time Days	8	13	21	82	10	14	15	14	40
O 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)
O 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)	-
o 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)
<ul> <li>Protective Shipping Container Part No.</li> </ul>	20750408	20750409	20750409	21325842	20750520	10741726	12875162	10741726	12875162

#### TWO Year Parts Warranty • THREE Year Vacuum Warranty

### **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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<sup>\*</sup> Without inventory

<sup>\*\*\*</sup> 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.