

MVE Vapor Shipper Series

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.

PRODUCT SPECIFICATIONS

| MODEL | SC 2/1V | SC 4/2V | SC 4/3V | XC 30/12V | CryoShipper | CryoShipper XC | CryoShipper 2000 | IATA | 65/5V |
|---|-------------|-------------|-------------|-------------|---------------------------|----------------|--|--|---------------------------------------|
| MAX. STORAGE CAPACITY | | | | | | | | | |
| Number 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 vials 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 | 500 | 966 (Bulk) | 5 boxes per rack 2,000 total 1.2ml & 2.0ml vials (100/box) | | |
| No. of 1.2 & 2.0 ml Vials (6/cane) | - | 120 | 48 | 36 | | | | | |
| No. Of blood bags stored 4R9953 | - | - | - | - | | | | | |
| PERFORMANCE (Hold Time overrides NER specifications) | | | | | | | | | |
| Liquid nitrogen capacity (liters) | 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 (liters/day)* | 0.19 | 0.26 | 0.20 | 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) | 2.00 (51.0) | 2.00 (51.0) | 8.50 (216.0) | 8.50 (216.0) | 8.50 (216.0) | 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) |
| Outside diameter in (mm) | 7.25 (184) | 8.70 (222) | 8.70 (222) | 17.0 (432) | 14.50 (369) | 15.00 (381) | 22.0 (559) | 15.0 (381) | 22 (559) |
| Canister height in (mm) | 5.0 (127) | 11.0 (279) | 11.0 (279) | 11.0 (279) | 11.0 (279) | 12.5 (317.5) | | 8.75 (222.25) | - |
| Canister diameter in (mm) | 120 (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) | 95.0 (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) | 54.4 (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 |

THREE Year Vacuum Warranty • TWO Year Parts 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

MVE CryoCube & BL-7

The MVE CryoCube and MVE BL-7 (Biologicistic) are secure one-way cryogenic shipping options for your biological samples. Both units incorporate creative engineering and simplistic design to allow shipping in any orientation without sacrificing temperature or hold time. Improved welded construction provides the MVE CryoCube and MVE BL-7 with consistent, high quality design with every unit. The units allow you to spend more time managing samples instead of managing shippers.

PRODUCT SPECIFICATIONS

| MODEL | MVE CryoCube | MVE BL-7 |
|---|--------------|-------------|
| MAX. STORAGE CAPACITY | | |
| Number of canisters | 1 | 1 |
| No. of 1/2 cc straws (1 Level Bulk) | 182 | 270 |
| PERFORMANCE | | |
| Liquid nitrogen capacity w/o Inventory (liters) | 1.5 | 2.1 |
| Static holding time** (days) | 5 | 7 |
| UNIT DIMENSIONS | | |
| Neck opening in (mm) | 1.4 (35) | 1.97 (50) |
| Overall height in (mm) | 12.5 (317.5) | 15.0 (381) |
| Overall Width in (mm) | 12 (305) | 12.64 (321) |
| Overall Diameter in (mm) | 1.25 (32) | 1.50 (38) |
| Weight empty lb. (kg) | 7.5 (3.41) | 9.26 (4.2) |
| Weight Charged vapor lb. (kg) | 10.2 (4.63) | 13.01 (5.9) |



ONE 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.