MVE CryoShipper Vapor Series

MVE Vapor Shippers are designed for the safe transportation of biological samples at cryogenic (~-150°C or colder) temperatures. Manufactured from durable, lightweight aluminum, the MVE CryoShipper Vapor Series employs a hydrophobic compound which absorbs the liquid nitrogen to ensure dry, spill-free vapor-phase shipping.

A protective shipping carton is available for all models (except the SC 20/12V). 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.

Features Include:
• Protective shipping carton to ensure upright shipping
• Low liquid nitrogen consumption
• Convenient lightweight package

Visit www.chartbiomed.com for more information.
**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

### Maximum Storage Capacity

<table>
<thead>
<tr>
<th></th>
<th>SC 2/1V</th>
<th>SC 4/2V</th>
<th>SC 4/3V</th>
<th>SC 20/12V</th>
<th>XC 20/3V**</th>
<th>Mini Moover</th>
<th>Cryo-Moover</th>
<th>Cryo-Shipper Mini</th>
<th>Cryo-Shipper</th>
<th>Cryo-Shipper XC</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>No. of Canisters</strong></td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>6</td>
<td>4 + 1 Center</td>
<td>1</td>
<td>7</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>No. of 1/2 cc Straws 10/cane</strong></td>
<td>-</td>
<td>280</td>
<td>120</td>
<td>540</td>
<td>2500/2000**</td>
<td>60</td>
<td>3080</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>No. of 1/2 cc Straws 1 Level Bulk</strong></td>
<td>88</td>
<td>440</td>
<td>210</td>
<td>780</td>
<td>87/560**</td>
<td>20</td>
<td>945</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>No. of 1/2 &amp; 2.0 ml Vials 5/cane</strong></td>
<td>-</td>
<td>95</td>
<td>40</td>
<td>150</td>
<td>675/560**</td>
<td>24</td>
<td>1134</td>
<td>-</td>
<td>500</td>
<td>966 (Bulk)</td>
<td>-</td>
</tr>
<tr>
<td><strong>No. of 1/2 &amp; 2.0 ml Vials 6/cane</strong></td>
<td>9</td>
<td>106</td>
<td>48</td>
<td>180</td>
<td>840/672**</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>10</td>
<td>10</td>
<td>-</td>
</tr>
<tr>
<td><strong>No. of blood bags stored 4R9953</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### Performance

- **LN2 Capacity L**
  - 1.5
  - 3.6
  - 4.3
  - 12.3
  - 6.8
  - 2.9
  - 4.2
  - 5.9
  - 8.5
  - 10.0
  - 11.8

- **Static Holding Time Days**
  - 8
  - 13
  - 21
  - 85
  - 16
  - 14
  - 12
  - 7
  - 10
  - 14

- **Static Evaporation Rate* L/day**
  - 0.19
  - 0.26
  - 0.20
  - 0.09
  - 0.35
  - 0.20
  - 0.35
  - 0.84
  - 0.85
  - 0.85
  - 0.80

### Unit Dimensions

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>Neck Opening in. (mm)</strong></td>
<td>1.40</td>
<td>2.75</td>
<td>2.00</td>
<td>2.00</td>
<td>3.81 (96.7)</td>
<td>1.40</td>
<td>3.80</td>
<td>8.50</td>
<td>8.50</td>
<td>8.50</td>
<td>8.50</td>
</tr>
<tr>
<td><strong>Overall Height in. (mm)</strong></td>
<td>13.5 (343)</td>
<td>18.4 (468)</td>
<td>19.4 (492)</td>
<td>25.7 (652)</td>
<td>25.0 (635)</td>
<td>19.5 (495)</td>
<td>22.0 (558)</td>
<td>20.0 (508)</td>
<td>21.5 (546)</td>
<td>23.0 (584)</td>
<td>24.0 (610)</td>
</tr>
<tr>
<td><strong>Outer Diameter in. (mm)</strong></td>
<td>7.25 (184)</td>
<td>8.70 (222)</td>
<td>8.70 (222)</td>
<td>14.50 (368)</td>
<td>14.50 (368)</td>
<td>7.20 (184)</td>
<td>18.30 (464)</td>
<td>11.60 (295)</td>
<td>14.50 (369)</td>
<td>15.00 (381)</td>
<td>15.00</td>
</tr>
<tr>
<td><strong>Canister Height in. (mm)</strong></td>
<td>5.0 (127)</td>
<td>11.0 (278)</td>
<td>11.0 (278)</td>
<td>11.0 (278)</td>
<td>11.0 (278)</td>
<td>11.0 (278)</td>
<td>11.0 (278)</td>
<td>12.5 (317.54)</td>
<td>8.5 (215)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Canister Diameter in. (mm)</strong></td>
<td>1.20 (31)</td>
<td>2.62 (67)</td>
<td>1.81 (46)</td>
<td>1.50 (38)</td>
<td>3.20 (80)</td>
<td>1.20 (31)</td>
<td>3.10 (79)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>7.50 (190)</td>
</tr>
<tr>
<td><strong>Weight Empty lb. (kg)</strong></td>
<td>6.0 (2.7)</td>
<td>10.0 (4.5)</td>
<td>11.0 (5.0)</td>
<td>25.0 (11.3)</td>
<td>25.0 (11.3)</td>
<td>9.0 (4.1)</td>
<td>30.5 (13.8)</td>
<td>23 (10.4)</td>
<td>26.2 (11.9)</td>
<td>33.0 (15.0)</td>
<td>33.0 (15.0)</td>
</tr>
<tr>
<td><strong>Weight Charged lb. (kg)</strong></td>
<td>8.0 (3.6)</td>
<td>15.5 (7.0)</td>
<td>17.0 (7.7)</td>
<td>43.0 (19.5)</td>
<td>43.0 (19.5)</td>
<td>12.5 (5.7)</td>
<td>37 (16.8)</td>
<td>32 (14.5)</td>
<td>41.3 (18.7)</td>
<td>50.5 (22.9)</td>
<td>50.5 (22.9)</td>
</tr>
<tr>
<td><strong>Weight Full lb. (kg)</strong></td>
<td>9.0 (4.1)</td>
<td>20.0 (9.1)</td>
<td>21.0 (9.5)</td>
<td>56.5 (25.6)</td>
<td>38.4 (17.4)</td>
<td>15.5 (7.0)</td>
<td>87 (39.5)</td>
<td>45 (20.4)</td>
<td>54.5 (24.7)</td>
<td>73.0 (33.1)</td>
<td>73.0 (33.1)</td>
</tr>
</tbody>
</table>

* Without inventory
** Minimum width required for vessel to pass through opening. Footprint may vary. Contact Tech Service for detailed drawings.
‡ Usable Height

**THREE Year Vacuum Warranty**

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