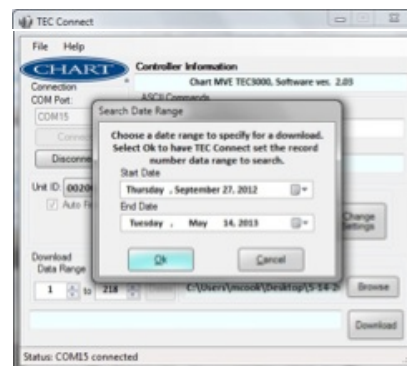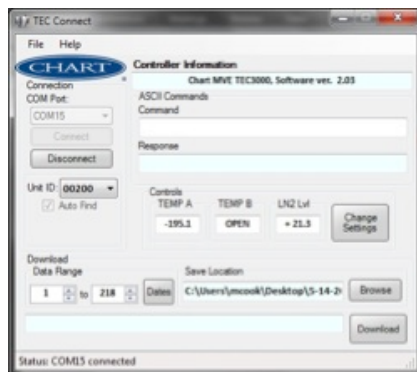# MVE Chart Tech Tips

PRODUCT INFORMATION

TEC3000 TEC Connect Software

Chart is pleased to announce the release of TEC Connect, a new software to be used with the TEC Com Kit for communication with Chart MVE freezers equipped with the TEC 3000. This software replaces the Chart Connect 3000 software and is compatible with the existing TEC Com Kits.

The new TEC Connect software has added features that allow it to automatically detect which port the TEC Com Kit is plugged into on your computer, eliminating the need to manually search your device manager to find the correct COM port.

The new software also allows a download to be taken by date, rather than number of logs. This is useful if the status of the freezer is needed at a specific date. You will notice, when a download is taken, that the current set points of the freezer have been added to the download as well to further aid in analyzing the download.

The new TEC Connect software can be downloaded from the Chart Biomed website using the below link:
http://www.chartbiomed.com/Literature_Resources/Software.aspx and click "Download TEC Connect Software".

Contact Chart Technical Support if you have any questions.

Chart MVE IATA Shipper

Chart offers an IATA Vapor Shipper for the safe transportation of biological samples of -150 ℃ or colder. IATA is an acronym for International Air Transport Association. The IATA series is the only vapor shipper Chart sells with the added benefit of a secondary stainless steel container with lid and bolts. This secondary container allows for the shipment of hazardous materials. The IATA shipper can be ordered using P/N 10777411.

Mushroom Protective Shipping Containers

Chart sells Protective Shipping Containers for our shippers. These containers are designed to protect Vapor Shippers when samples are being shipped. They come in a variety of sizes depending on the shipper being used. These protective shipping containers can be ordered using the below PN's.

Part Number	Unit	Outer Dimensions
9719449	SC 2/1V (See below), SC 4/2V, SC 4/3V, MINIMOOVER, QWICK 6/9, QWICK 10/100, QWICK 14/48, QWICK 14/24	24.1H X 15.0 OD
11358817	CRYOSHIPPER MINI	25.1H X 18.1 OD
11925105	SC 11/7, DOBLE 11, DOBLE QWICK 10/660	
10537506	XC 20/3V, CRYOSHIPPER, QWICK 9/500	
9722149	XC 22/5	
11912460	SC 20/12V, QWICK 62/180, DOBLE 20, DOBLE QWICK 20/660	28.0H X 22.1 OD
10741726	CRYOSHIPPER EXTRA CAPACITY (XC), QWICK 10/950, IATA CRYOSHIPPER	
11930861	CRYOMOOVER, DOBLE 28, DOBLE QWICK 17/2400	
14035731	DOBLE 47, DOBLE 47-10, DOBLE QWICK 20/2100, DOBLE QWICK 14/4500, DOBLE QWICK 14/3500	30.75H X 24.1 OD

This table gives only the outer dimensions of each shipping container. Inner dimensions will vary between part numbers due to the dewar specific foam placed in each container.

Shipping Foam for the SC2/1V Vapor Shipper

Chart offers extra foam for the SC2/1V Vapor Shipper that is required to ship in protective container. Part numbers are as follows:

PartNumber	Description
14667084	Extra Foam for Sides (4 required)
14667092	Extra Foam for Bottom (2 required)
14667068	Extra Foam for Top

HELPFUL HINTS / FAQS

Instructions for filling the IATA Vapor Shipper

Q: How does one fill an IATA Vapor Shipper?

A: Please follow the steps below:

1. Fill the CryoShipper to the bottom of the neck tube. Do not overfill.
2. Install the cork and cover then allow the CryoShipper to cool down for 24 hours.
   1. Note: It may be necessary to top off the unit at some point during this 24 hour period to ensure the shipper gets a full charge.
3. Take the first weight (for future reference).
4. After 24 hours, pour out the excess liquid nitrogen. Please note, if the shipment is not ready to be sent after the 24 hour period, one can leave the liquid and remove it just before shipping.

Note: Please refer to the IATA Vapor Shipper manual for specific IATA instructions.

SUC Canister Racks

If storing SUC canisters (PN 9710491) in freezers, Chart offers two racking options to conserve space. These racks work as a two-stage shelf, which allows two layers of racks to be stored in the freezer. One of the available racks holds two SUC canisters, PN 11392644, storing one over the other. The second, PN 11395896, holds eight of the canisters, storing four on each shelf.

PN 11395896

PN 11392644

Part Number	Number of SUC Canisters (PN 9710491)
11392644	Holds two SUC Canisters
11395896	Holds eight SUC Canisters

Cool Reach

Chart sells a Cool Reach device to aid in the retrieval of items that may have been dropped into the freezer. The Cool Reach device has a reach of 40" and can be ordered using PN 13051579.