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MVE Chart Tech Tips

In This Issue

[Product Information](#)
[Helpful Hints / FAQs](#)
[Accessories](#)

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April 2014

PRODUCT INFORMATION

Chart MVE XC 47/11 Aluminum Liquid Nitrogen Storage Tank

Chart MVE XC 47/11 Series tanks can store vials and straws and are manufactured to a world class level of excellence. All MVE XC 47/11 Series tanks are backed by a five-year vacuum warranty. The XC 47/11 can be ordered with either round or square racks or a combination of the two. The XC 47/11 can hold three square canisters and three round canisters, or any other number of combinations.

- XC 47/11 with the 2" racks use **PN 13346449**
- XC 47/11 with the 3" racks use **PN 10811472**
- XC 47/11 with the round canisters use **PN 10719924**

Rack combinations can be ordered through Customer Service by special request.

The part numbers for the 2" racks, 3" racks, and the round canister are below for reference.

- Square 2 inch rack: **PN 11554720**
- Square 3 inch rack: **PN 9719679**
- Round canister: **PN 14782411**





MVE Chart IATA Shipper

MVE Chart IATA Shipper has been independently tested and approved to meet current UN and IATA regulations concerning the transportation of potentially infectious substances. The IATA shipper is a complete package that includes the protective shipping container, Cryoshipper XC, and one stainless steel secondary container. The secondary container can hold five large plastic or cardboard boxes that hold 100 internally threaded 1 or 2mm vials.

Please note: All other models of MVE Vapor Shippers can be legally transported by air (when shipping specimens that are not classified as or known to be potentially infectious).

Order Using PN 10777411 (Box not included)



MVE Chart Discharge Device Rubber Plug Upgrade

Lab 20 Discharge Device Upgrade

If customers purchase the new Lab 20 with the larger neck opening of 2.2 inches, their old discharge device can be upgraded with the new rubber plug. The Discharge Device rubber plug upgrade kit is PN 13717369. The kit includes a washer, 2.2 inch rubber plug, and bolt assembly.





Lab 20 with Discharge Device

HELPFUL HINTS / FAQs

Filling a Freezer

Q: What basic troubleshooting steps can one take to determine why a freezer is overfilling?

A: Reference the TEC 3000 Technical Freezer Manual Troubleshooting Steps on page 128.

1. Verify LN2 source pressure is 22-35psi (1.5 to 3.4 bar)
2. Verify freezer lid is not sealing against freezer neck
3. Verify the resistance of the fill solenoid 50 to 70 ohms (single) dual 25 to 35ohms (parallel); replace if necessary; reference page 121
4. Verify the freezer level sensing line is not blocked; reference page 126 of the TEC 3000 Technical Freezer Manual

Q: If a freezer does not fill, what steps can one take to correct the issue?

A: Please verify the following:

1. Verify that the LN2 supply is connected properly
2. Verify adequate LN2 supply volume or pressure
3. Verify the lid switch is not engaged
4. Verify settings in the Advanced section of the Liquid Level Menus to ensure automatic fill is not disabled.
5. Verify the resistance of the fill solenoid is 50 to 70 ohms (single) dual 25 to 35 ohms (parallel); replace if

(single) dual 25 to 35 units (parallel), replace if necessary; reference page 121 of the Manual for further instructions

Changing the TEC 3000 Event Log Period

Q: What steps does one take to change the TEC 3000 event log period?

A: The default logging interval, the rate at which data is recorded in the memory of the TEC 3000, is four hours. The TEC COM USB Kit is required to adjust the event logging period. To change the event logging period to 120 minutes, use the ASCII command, LOGPER 120.

ACCESSORIES

TEC COM USB Kit

The TEC COM USB Kit is a useful tool to download data from both the TEC 2000 and TEC 3000 and may be ordered using **PN 13376947**.



Chart TEC Connect Software

Chart TEC 2000 and TEC 3000 Connect Software is available free of charge on the [Chart BioMedical website](http://www.chartbiomedical.com).

A screenshot of the Chart BioMedical website. The header features the CHART logo and 'MVE BioMedical Security Through Systems'. A navigation menu includes 'Home', 'Cryopreservation Products', 'Literature & Resources', 'Events', 'About', 'Contact', and 'Distributor Login'. The main content area is titled 'Cryopreservation Products' and lists various product categories. Two software download options are highlighted: 'TEC 2000 - Chart Connect Software' with a 'Download Chart Connect Software' button (3.8MB Zip file) and 'TEC 3000 - TEC Connect Software' with a 'Download TEC Connect Software' button (1.6MB Zip file). A 'Request Information' button is located at the bottom left of the product list.

Upcoming Events

Trade Shows

We will be present at the following trade shows and would love to see you at our booth!

EBMT
March 30 - April 2
Milan, Italy
Chart MVE
Stand #107

AACR
April 5- April 9
San Diego, CA
MVE Chart
Booth #2515

MEDICAL World Americas
April 28-30
Houston, TX
Chart BioMedical
Booth #815

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