In This Issue

Product Information
Helfpul Hints / FAQs
Accessories

March 2014

MVE Chart Tech Tips

PRODUCT INFORMATION

Chart MVE CryoSystem 6000 Full Auto

Chart MVE introduces the Cryosystem 6000 fully automatic with the stand alone TEC 3000 controller. The MVE CryoSystem 6000 Full Auto combines the compact efficiency of aluminum dewars with the monitoring and autofill features of the TEC 3000 control system. The CryoSystem 6000 Full Auto provides the same convenience as stainless steel freezers.

CryoSystem 6000 Full Auto with TEC 3000: PN 14796775

Features Include:

- Fully automatic LN2 level control and temperature monitoring
- Perfectly suited for smaller laboratories & facilities.
- Can be used for liquid or vapor storage
- Tracks and displays LN2 consumption
- 17 user-defined audiovisual alarms including High Temperature, Low Level, Liquid Usage, Fill Timeout, and more.
- Remote monitoring and communication capabilities
- Electronically stores up to 10 years of unalterable, time-stamped data events for traceability and troubleshooting
- Transportable in emergencies or in the event of natural disasters

MVE Chart Freezer Lid Replacements

Chart recommends that the serial and model numbers are provided for freezers that require a replacement lid. In some cases, it may also become necessary to provide photos of the front and rear portions of the lid, the point at which the hinge meets the original lid, and photos of the hinges themselves. This information ensures that the appropriate lid replacement is ordered for your particular generation of MVE Chart freezer.

High-Efficiency Lid Gaskets

Chart recommends that the serial and model numbers are provided for any MVE High Efficiency freezer that needs its lid gasket replaced. At times it may become necessary to send photos to include both a front and rear photo of the lid and a photo where the gasket meets the original lid.

MVE HE NEW LID GASKET INSTALLATION GUIDE

1. Remove lid assembly from the freezer and thaw 45 minutes.
2. Remove old gasket material using a flathead screwdriver carefully to pry underneath old gasket; use a small amount of alcohol to loosen and remove old adhesive. Reference Figure A.
3. Clean residual from old gasket.
4. Install new self-adhesive gasket; allow 4" gaps for LN2 ventilation at front/rear of cover. Reference Figure B.
5. Recheck alignment of gasket and secure.
6. Clean lid and reinstall.
7. Follow the lid preventative maintenance service schedule in the TEC 3000 Manual.

Figure A

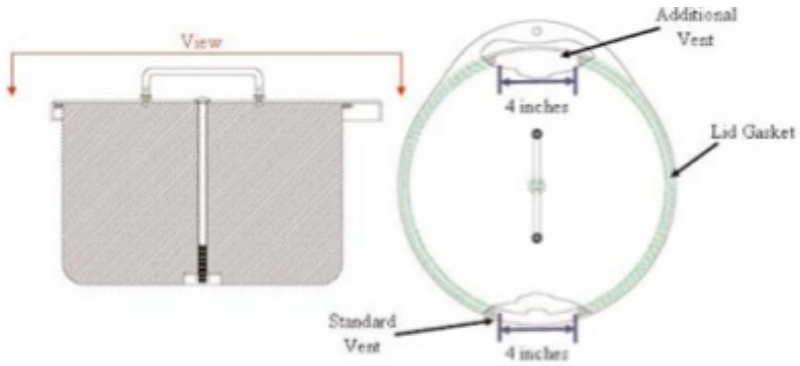

Figure B

Chart MVE Series and Cabinet Lid Gaskets

Most of Chart MVE Series and Cabinet Freezers are manufactured with an embedded lid switch. Please use caution when replacing the lid or gaskets for these MVE open-top freezer series. Chart recommends that the serial and model numbers are provided for all freezers that require a replacement lid gasket. At times it may become necessary to send photos to include both a front and rear photo of the lid and a photo where the gasket meets the original lid.

MVE NEW LID CORK/LINER/GASKET INSTALLATION GUIDE

1. Remove complete lid assembly from the freezer
2. Use cardboard to cover the freezer during lid repair or as an option place lid upside down over freezer after removing from hinges.
3. Drill out old rivets and clean residual
4. Remove old gasket material
5. Place cork liner and match holes making sure the flat area is at the back
6. Install new gasket and hold in place with new rivets (do not snap rivets in yet)
7. Drill new rivet holes through gasket, liner and lid (only drill 3-4 holes at a time and then install rivets.)
8. Do not worry about lining up with the old holes, drill new ones as necessary
9. Continue this process around the circumference of the lid
10. Do not use any adhesive
11. Recheck alignment of gaskets
12. Snap rivets in
13. Clean up any filings and reattach lid to hinges.

HELPFUL HINTS / FAQS

The MVE Datalogger (DISCONTINUED)

Q: We still use the MVE Datalogger and need to replace the temperature probe along with some of its accessories. What do we do?

A: The MVE Datalogger and all of its associated components are obsolete. If the MVE Datalogger is still operating as designed, you may continue its use, but should consider replacing it with the Chart PDF Logger.

The Planer Datalogger (DISCONTINUED)

Q: We still use the Planer Datalogger and need to replace the temperature probe along with some of its accessories. What do we do?

A: The Planer Datalogger and all of its associated components are obsolete. If the Datalogger is still operating as designed, you may continue its use, but should consider replacing it with the Chart PDF Logger.

Chart MVE PDF Datalogger

Q: How can the MVE Datalogger or Planer Datalogger be converted to the PDF Datalogger?

A: The MVE Datalogger and PDF Datalogger parts are not interchangeable. The complete bracket must be removed and replaced with the PDF Datalogger bracket. Chart offers a cork and cover assembly that can include the PDF Datalogger. This is recommended as each component is factory installed to the specific lid. For more information, please see the accessories part numbers in the section below.

ACCESSORIES

Chart MVE PDF Logger Complete with Cork

The PDF Logger can be ordered factory installed to most of Chart MVE Vapor Shippers. Complete Cork and Cover with PDF Logger Assembly:

- CryoShipper / XC / Mini: PN 15086468
- Cryo Moover: PN 15086513
- SC 4/2V: PN 15086476
- SC 4/3V: PN 15086484
- SC 20/3V: PN 15086505

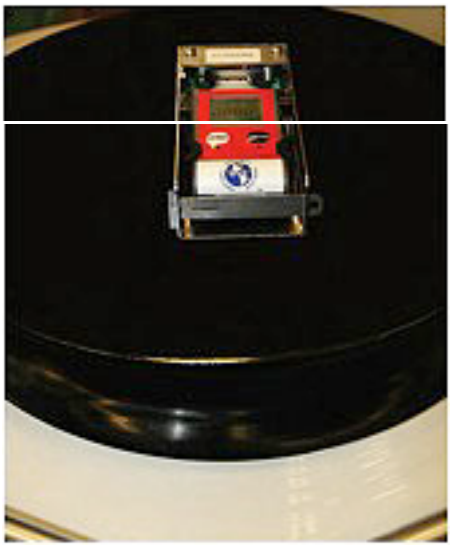

Chart MVE PDF Logger Components

The PDF Logger components can be ordered separately. Please see the part numbers below:

- PDF Logger PN 15085772
- Bracket Assembly PN 15086062
- Temperature Probe PN 15085781

Chart MVE PDF Logger, Bracket, Temperature Probe, and Label

PN 20539220 will include the PDF Logger, bracket, temperature probe, and label. This part number can be ordered to replace the old dataloggers mounted to the Cyoshipper lid. Note this requires drilling out rivets, new holes drilled and new rivets (Rivets not included).