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## MVE Chart Tech Tips

September 2014

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### PRODUCT INFORMATION

#### Updated Shipping Label

Chart has updated the shipping label placed on the outside of aluminum tank boxes to enable the use of high-tech QR technology. This will help increase speed and accuracy in facilities that scan in aluminum tank shipments.

Chart has redesigned the label to allow the use of such equipment to scan and receive in shipments, but Chart does not endorse or support the actual scanning equipment.



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## Updated Shipping Label

### MVE 800 2-Tier Step Assembly

Chart now offers the new MVE800 2-Tier Step assembly, PN 20820733. We will still offer the single step assembly for the MVE800 Series. The New 2-Tier step assembly will enable users easy access, insertion, and removal of taller rack systems on the HECo or MVE818 and HECo or MVE819 Series freezers.



**2-Tier Step**

### HEco and Vario Transfer Hose

Chart provides a vacuum-jacketed transfer hose with all HEco and Vario series freezers. Chart offers a complete line of vacuum insulated flexible transfer hoses to complement vacuum-jacketed piping systems. Our flexible

transfer hoses to complement vacuum-jacketed piping systems. Our flexible transfer hoses are constructed with the same quality of workmanship, and superior insulation technologies as our standard line of vacuum insulated pipe. The flexibility of the hoses allows for frequent connections to liquid cylinders and cryogenic processing devices such as biological freezers, thermal test chambers, etc.

Chart's superior vacuum insulation technology greatly reduces cryogen product loss, and improves the efficiency of your system. In addition, the high thermal performance eliminates ice balls and dripping water along the length of the hose, which can be a safety hazard. Commonly used hoses are stocked for quick delivery. Vacuum insulated flexible transfer hoses are available in 1/4 or 3/8 inch ID.

For a complete listing, please visit:

<http://www.Chartparts.com>

Below are a few popular part numbers:

3/8 inch ID VJ Flex Hose

TRANSFER HOSE 4' Part #: 10581700

TRANS HOSE 3/8ID\*1-1/2OD\*4'LG VJ 1/2"ODT 37D FLARE

TRANSFER HOSE 6' Part #: 10670059

TRANS HOSE 3/8ID\*1-1/2OD\*6'LG VJ 1/2"ODT 37D FLARE

## HELPFUL HINTS / FAQ's

**Q:** What is the difference between Sequential and Simultaneous filling when using One Fill All Fill (OFAF)?

**A:** In Sequential OFAF mode, once any controller initiates a fill and reaches its High Level Setpoint, the Master will trigger the freezer with the next sequential OFAF ID to fill until it reaches its High Level Setpoint. The Master will then trigger the freezer with the next sequential OFAF ID to fill and this process will continue until all freezers in the network including the Master have reached their High Level Setpoints.

In Simultaneous OFAF mode, when any controller initiates a fill and fills for at least 60 seconds, the Master will then broadcast a signal for all freezers, including itself, to begin filling. Each freezer will continue to fill until its High Level Setpoint is reached.

A user would select sequential OFAF over simultaneous if their supply system is not able to maintain the proper filling pressure while multiple freezers are filling at the same time. Sequential OFAF allows freezers to fill

one at a time with a primed and cold supply system so that it is easier for the system to maintain the proper filling pressure.

**Q:** How much additional height does the Manual Discharge Device add to each of the LAB Series Dewars?

**A:** The Manual Discharge Device adds approximately 9" to all LAB Series Dewars.

## ACCESSORIES

Below are common freezer parts to have handy when performing routine freezer maintenance.

Part Number	Description
11648945	Inline Filter - 40 micron
1810032	Relief Valve - 50 PSI
14224611S	Solenoid Valve (Fill and GB)
13284954S	Purge / 3-way Valve
10713400	Gas Bypass Temp Probe - PT-1000 RTD
11499812	Gas Bypass Muffler
20570663	Temp Probe All Freezers
11858467	Battery Backup Fuse - 4A 250V
11795030	Jerome Power supply (power supply only, outlet cord not included)
13376947	TEC COM USB Kit

## Upcoming Events

### Trade Shows

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

**World Dairy Expo**  
September 30-October 4  
Madison, WI  
Booth #226-227

**ASRM**  
October 18-22  
Honolulu, HI  
Booth #1013

**ESBB**  
 October 21-24  
 Leipzig, Germany  
 Booth #6

**AABB**  
 October 25-28  
 Philadelphia, PA  
 Booth #1120

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