



MVE TECH TIPS



Tech Tips April 2006

NEW ACCESSORY FOR 810HE AND ETERNE

Due to popular demand Chart has developed a stair riser for easier access to samples in their 810HE or 810 Eterne units. This aluminum steel step assembly will fit any existing MVE 810HE or 810 Eterne. It can also be removed for floor or freezer maintenance. List price on this is \$570.00 and is subject to distributor discounting. The step height is 7.5" from the floor and the step width is 24.5". The overall height of the frame is 10.25". Step comes supplied with a black rubber leg pad and three non skid sure step strips. Part number for this step is 13082551.



SECONDARY FILL VALVE ASSEMBLY

Anyone wishing to add a secondary solenoid valve to an existing Chart MVE freezer can order a retrofit kit system. The valve assembly kit (11062215) comes with the solenoid valve, 1/2" NPT nipples, wire splices and instruction kit. Although this secondary valve assembly kit can be used on other models, the instructional sheet specifically addresses only the 600 and 1400 series. A secondary fill valve assembly kit part number does not currently exist for the HE models. Call Technical Service for part numbers required to upgrade these plumbing assemblies.

NEW CASSETTE FOR BAXTER 9959 1000 ML BLOOD BAGS

Chart now has available a cassette canister for storing 1000ml Baxter 9959 blood bags. The dimensions for this canister are 13.5" long X .375" wide X 6.125" high. The frame to hold this 1000ml cassette is 25.5" high X 11" wide X .625" thick. This is a 4 place frame. Part numbers for these are 11875953 (frame) and 11875929 (canister).

REFURBISHED BIOLOGICAL UNITS

SALE PRICES – NO OTHER DISCOUNTS APPLICABLE ALUMINUM UNITS IN STOCK AS OF 4/12/06

WARRANTY – 1 YEAR VACUUM

<u>QTY</u>	<u>PN#</u>	<u>DESCRIPTION</u>	<u>SELLING PRICE</u>
8	11798273	Cryo Shipper XC Dewar No C/C or protective carton	check w/Bruce / Dino for price
1	11052674R	RPL Cryo System 8	\$ 500.00
1	11015195R	RPL Cryoshipper EX	\$1265.00
1	10829621R	RPL SC 36/32	\$ 512.00
1	991809R	RPL LAB 30	\$ 415.00
1	11498684R	RPL DOBLE 47/6	\$ 747.50
3	11837869R	RPL ET 23 JLM	\$ 390.00
1	11901162R	RPL MILL II	\$ 384.50
1	991803R	RPL XC 43/28	\$ 602.50
3	991849R	RPL SC 11/7	\$ 378.00

REFURBISHED BIOLOGICAL UNITS (CONTINUED)

NEW UNITS – SLOW MOVERS or OBSOLETE IN NA BRANCH WARRANTY- 5 YEAR VACUUM

<u>QTY</u>	<u>PN#</u>	<u>DESCRIPTION</u>	<u>LIST / SELLING PRICE</u>
3	11702745	SC 16/11 No Labels	\$ 610.96
1	9920829	TECH 35	\$1783.00
4	10979435	Cryo Shipper Mini	\$1742.00
10	11647432	Cryo Shipper w/o blocks & Shipping Container	\$1349.00
3	9918519	SC 16/11	\$1250.00
8	10531155	SC 2/1	\$ 599.00
4	12923591	EZ Shipper	\$1165.00

NEW UNITS LEFT IN CA BRANCH

1	11534593	SC 3/3 No Labels	\$420.84
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PRICE ADJUSTMENT MODS-190

Effective immediately, for anyone that does not have a pricing agreement in place, HL or MODS 190 will list at \$14000.00.

HL-120 & HL-190 are both built to ASME specifications and utilize the same plumbing assemblies. They are designed to operate at 100psi. They all have dual relief valves, dual fill valves and road relief valves. They carry a 1 year warranty on vacuum and 90 days on parts.

HL-120	11818705	\$9000.00
HL-190	11814721	\$14000.00
Service Kits		
O2	11830211	\$275.00
LN2	11830237	\$275.00
Vent kit	11864277	\$280.00 used on both
Mount kit	10591449	\$280.00 used on both

ACCESSING LOCKED LID ON MVE 600/1400 IF KEY IS MISSING

If your customer runs into this problem there are three things you can do to remedy the situation. If time is not essential, the first (and easiest) is to call customer service with the serial number of the freezer. The key code of each serial number is written on MVE's QC traveler. It may also be written on the QC traveler that accompanied the freezer to the customer's location. Check if customer has this document filed. If we have the key code from the body of the lock we can get a replacement key. If not, the entire lock assembly will need to be replaced.

ACCESSING LOCKED LID ON MVE 600/1400 IF KEY IS MISSING

If time is a concern and access needs to be immediate then we will proceed to the second prerogative. Remove the front keypad from the freezer. This will allow access to the bottom of the lock assembly. After the panel is removed you will notice a stainless steel box that is fastened with mounting tape. Remove this box and this will expose the locking pin and lock rod. Remove the locking roll pin from the lock rod and the lid can be opened. At this stage you will need a special lock assembly tool to remove the rest of the lock assembly, in the event it needs to be replaced. The part number is 11509460 for this tool and is included in our MVE toolbox.

The key code is on the side of the lock assembly so even if the lock does not need to be replaced it will still need to be removed to find the key code. Remember not to misplace parts as you may need to reuse them again. If lock does need to be replaced the part number for the assembly is 11505231. The third and least recommended is to slip a metal cutting saw blade between the lid and the top cover of the freezer to cut the locking rod. This will be the fastest way but most likely will cause the greatest amount of damage to the gasket and scratch up the top cover.

QUESTION AND ANSWER

Q: *Customer has several XLC's with gas bypass systems where the customer does not want it activated. Going into the maintenance menu doesn't seem to turn it off. Any ideas?*

A: The bypass is a plug and play option. If the TEC-2000 detects a bypass sensor connected, the bypass cycle will happen. Selecting "NO" for gas bypass in the maintenance menu simply disables the bypass sensor alarm. If it is enabled (yes selection in the maintenance menu), you will get a bypass sensor alarm whenever the sensor is disconnected.

To fully disable the bypass, you must disconnect the bypass sensor from the controller.

Q: *How do you clear the CMOS chip on the TEC2000 back panel freezer controller? There is a three pin jumper on the main circuit board PCB. Does shorting two of the pins clear the CMOS to factory defaults, and if so which two? There is also two pins labeled TP1 and TP2, are these touch points for shorting the CMPS and clearing it. If none of the above will clear the CMOS, will extracting the chip and reinserting it do so? We have this requirement to clear the CMOS in an old XLC-500 cabinet style freezer that had the original Lakeshore replaced some 3-4 years ago with a converted replacement TEC2000 back panel. Will replacing 1.6 with a 1.7 e-prom chip be a better approach?*

A: If what you want to do is set all the programmable settings for the controller back to factory defaults, there is an easier way to get there.

Press and hold the escape key on the display for 30 seconds. The display will show "Micro/Reinitialize", then go back to the normal display. Depending on whether the current status of the freezer is inside or outside of the default alarm settings, it may go into alarm when this is done. This re-initialization sets all programmed values back to MDC factory default settings, not Chart factory settings. It clears the internal data log memory, temperature calibration, liquid usage data, sets level offset back to 1.3" etc. Essentially a clean slate as we would start with it here. The level offset may have to be changed to calibrate the level display, and the temperature probes will have to be recalibrated. These programmable values are not stored on the program chip (EPROM) so replacing the EPROM, or extracting and reinserting the existing one will not accomplish this. I don't recommend jumpering anything on the board, as you may damage something and end up having to replace the panel.

CONTACT INFO

www.chartbiomed.com

For copies of past Tech Tips or for more information on maintaining your nitrogen storage systems please contact Technical Service:

	Direct	Cell
Jim Bachman	952 758-8411	612 382-6678
Gil Edwards	770 257-1270	

For ordering information please contact customer service:

United States and Canada	770 257-1299	800 482-2473 (toll free)
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Jennifer, Wendy, or Nicole

South America	770 257-1299
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Heidi Parker

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