



MVE TECH TIPS



MVE Tech Tips May 2006

DIFFERENCES IN HE VERSIONS

There has been some confusion about the different HE versions, these differences are outlined below.

HE – Operates at -150°C, stainless steel turntable with pie shaped divisions

HE+ – Same as HE except has more usable height and aluminum turntable

HE Gen 2 – Same as HE except the turntable has rectangular divisions

HE+ Gen 2 – Same as HE Gen2 except has more usable height

ETERNE – Operates at -190°C, aluminum turntable with pie shaped divisions

See the table on next page for more detailed information.

CHANGES TO MVE 511 & MVE 1841

MVE 511 and MVE 1841 units have been modified and Generation 2 models are now available. The newer version is essentially a scaled up version of the 611/1411. They now use a back enclosure similar to the 611/1411 which is deeper than the old version necessitating a slight change to the lid and longer tubes from the lid to the hinges. The enclosure on the 511/1841 contains the same plumbing, battery backup, and gas bypass assemblies as the 611/1411. The inner and outer cylinders of the 511 have slightly shrunk in height and there were no changes 1841. The internal volume of both remains unchanged.

NEW MVE/CHART RETRIEVAL DEVICE

The Cryoclaw (P/N 11068705) retrieval device is no longer available and has been replaced by the Cool Reach model (P/N 13051579). Both models use the same cups so continue using part number 11854714 for ordering pairs of replacement cups.

STAND ALONE FREEZER SENSOR ASSEMBLY LENGTH

CHART/MVE Freezers

Models	Length	Dual Tube Sensor Assemble P/N	Three Tube Sensor Assembly P/N
MVE 1830	26"	11747450	11793341
MVE 810HE/1520HE	39"	11747468	11793350
MVE 1830HE	44"	11747476	11793368
MVE 1841	33"	11743580	
MVE 810/1370	8 _ "	11743571	
MVE 600/611/1400/1411/1211	33"	11513101	

SKID/CRATE IMPROVEMENTS

Effective immediately, all MVE freezers will be shipped in wooden crates fastened with screws on the front and top panels. The use of screws instead of staples will allow service technicians to remove the freezer without excess damage to wooden panels enabling greater opportunity for the end-user to reuse the skid/crate if necessary.

REFURBISHED BIOLOGICAL UNITS

SALE PRICES – NO OTHER DISCOUNTS APPLICABLE

ALUMINUM UNITS IN STOCK AS OF 5/12/06

WARRANTY – 1 YEAR VACUUM

Qty	P/N	Description	Price (\$)
8	11798273	Cryo Shipper XC Dewar (no C/C or protective carton)	Contact Bruce or Dino
1	11052674 R	RPL Cryo System 8	500.00
1	11015195 R	RPL Cryoshipper EX	1265.00
1	11082646 R	RPL XC 20	358.00
1	10829621 R	RPL SC 36/32	512.00
4	11837869 R	RPL ET 23	390.00
1	991809R	RPL LAB 30	415.00
1	11498684 R	RPL DOBLE 47/6	747.50
1	10756338 R	RPL LAB 20	363.00
4	11837869 R	RPL ET 23 JLM	390.00
1	11901162 R	RPL MILL II	384.50
1	991803R	RPL XC 43/28	602.50
4	991849R	RPL SC 11/7	378.00

NEW UNITS – SLOW MOVERS or OBSOLETE

WARRANTY- 5 YEAR VACUUM

Qty	P/N	Description	Price (\$)
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 or Shipping Container	1349.00
3	9918519	SC 16/11	1250.00
8	10531155	SC 2/1	599.00
4	12923591	EZ Shipper	1165.00
1	11534593	SC 3/3 No Labels	420.84

DATA LOGGER CORK/COVERS PARTS

Product	P/N
CryoMoover	11554383
Cryoshipper & XC	11371181
SC 4/2V	11554341
SC 4/3V	11554367
XC 20/3V	11554375

All of the above cork/covers have a detachable temperature probe (P/N 11878353) allowing the end user to adjust the length of the probe for placement in the sample area

Product		P/N
Data logger only + accessories without cork/cover		11554324
Accessories include:	Software	11878337
	Magnetic Key	11878345
	Connector cable 9F-9M	11804485

DATA LOGGER CALIBRATION

Logger calibration and battery replacement	\$300.00
Logger calibration only	\$200.00

If battery life is below 30% the technician will contact the customer. If the customer decides not to replace battery, the technician will not calibrate the logger since it must be recalibrated every time the battery is replaced.

We cannot warranty item if serial number is not included. Also, all parts must be returned with data loggers if credit is to be issued.

A 90 day warranty applies on all new and repaired loggers.

STAND ALONE PART NUMBER CHANGES

With the advent of the symbolic front panel required for Europe, we have been forced to create some new part numbers for panels and controllers used in the stand alone TEC-2000. The front panels are separate from the stand alone bill of materials so the list below is important in determining replacement parts.

Part description	P/N
New stand alone controller-no front panel included.	11800329
Numeric front panel LED display board	10713434
Symbolic front panel LED display board	11857659
Stand alone TEC-2000 complete-numeric panel	12997231
Stand alone TEC-2000 complete-symbolic panel	12997223

CUSTOMER/TECHNICAL INFO

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

USA: 800 482 2473

Europe : +44 1344 403100

Asia/Australia: +61 297 494333