



MVE Tech Tips



A monthly publication for the MVE Biological Products Distributors

January 2005

I hope everyone had an enjoyable holiday and wish everyone a prosperous 2005!

CHANGES TO THE 1830 FREEZERS

The 1830 models have been changed slightly dimensionally. Listed below are those changes:

DIMENSIONAL COMPARISON OF OLD 1830 SERIES TO 2004 SERIES			
MODEL	PARAMETER	OLD	NEW
MVE 1830HE	BASIC OVERALL HT	61.8"	60.6"
	LIFT OVER HT	43.25"	38.7"
	STEP HT	16"	2 STEP 10" EACH
	BASIC FRONT TO REAR DIM	72.13"	79.3" STEP DOWN 64.13" STEP UP
	TRAY HANDLE TYPE	VERTICAL ROD	HORIZONTAL ROD
MVE 1830HE GEN 2	BASIC OVERALL HT	61.8"	60.6"
	LIFT OVER HT	43.25"	38.7"
	STEP HT	16"	2 STEP 10" EACH
	BASIC FRONT TO REAR DIM	72.13"	79.3" STEP DOWN 64.13" STEP UP
MVE 1830 ETERNE	BASIC OVERALL HT	63.3"	62.1"
	LIFT OVER HT	44.75"	40.2"
	STEP HT	16"	2 STEP 10" EACH
	BASIC FRONT TO REAR DIM	72.13"	79.3" STEP DOWN 64.13" STEP UP
MVE 1830HE+	BASIC OVERALL HT	68.3"	67.1"
	LIFT OVER HT	49.8"	45.2"
	STEP HT	16"	2 STEP 10" EACH
	BASIC FRONT TO REAR DIM	72.13"	79.3" STEP DOWN 64.13" STEP UP
MVE 1830-2T	BASIC OVERALL HT	58.1"	58.2"
	LIFT OVER HT	39.6"	36.3"
	STEP HT	16"	2 STEP 10" EACH
	BASIC FRONT TO REAR DIM	72.13"	79.3" STEP DOWN 64.13" STEP UP
MVE 1830	BASIC OVERALL HT	45.3"	44.3"
	LIFT OVER HT	42.75"	38.7"
	STEP HT	NA	NA
	BASIC FRONT TO REAR DIM	60"	60"
	TRAY HANDLE TYPE	VERTICAL ROD	HORIZONTAL ROD

Attached is a PDF form with all the part number changes that will immediately take effect. They will be referred to 1830 models version 2004.

For those of you who keep their copies of Tech Tips the following is an index guide list by subject alphabetical from Sept. 1997 – April 2003. The second list is the latest publication in alphabetical order from May 2003 – Dec. 2004.

TECH TIPS Sept. 1997-April 2003

TABLE OF CONTEXT

ALPHABETICAL LISTING ACCORDING TO SUBJECT

	<u>Subject</u>	<u>month/year published</u>
A.	Aluminum replacement parts	3/2000
	Aluminum LN2 dewars	8/2001
B.	Brakes-caster XLC-1830	8/2001
	Battery backup	1/2001
	Bat liquid level alarm	3/2000
C.	Controller TEC-2000	12/1997
	Cryo-claw	12/1999
	Cork	10/2002
	Cork/cover	7/1998
	Cancellation policy	
	Contracts, credit	9/1998
	Order	2/1999
	Cryo-cyl	
	Pricing	10/1999, 10/2002
	35 & 50	11/1999
D.	Decontamination	2/1998, 8/1998, 1/1999
		6/1999, 7/1999, 5/2000
	Damaged shipments	8/1998, 5/2000, 3/2003
	Dewars, research	11/1999
	Desiccants	3/2003
	Doble units	1/2001
	Download data-TEC-2000	12/2000, 1/2001, 4/2003
E.	E-Prom chip	2/2000
	Edwards, Gil intro	8/2001
	ETERNE	10/2002
	Event log download	4/2003
F.	Fill valve	11/1997
	Filter in-line	2/2002
	Full auto cryo-6000	3/2002, 6/2002
	Fuses-controller TEC-2000	3/1999
G.	Gas by pass	7/1998, 1/2001
	Gordinier Electronics	4/2000

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H.	Handles	10/2002
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	HE vs CBS freezers	5/2001
	HE freezers -190C	7/2001
	Hinge replacement	6/2000, 10/2002
	HL-119, HL-190	8/2002
	HyperTerminal upgrade	12/2000
I.	Imploding inner	3/1998
	Inventory sale	10/2000
	Inventory refurbished	4/2001
	Isotherm vs 1520HE -190C	8/2001
L.	Lid replacement	11/1997
	Lid	10/2002
	Logger data	7/2000, 6/2001, 12/2001
	Calibration	1/2002, 4/2003
	Liquid usage calculation	4/2003
M.	Maintenance Preventive	12/1999, 2/2003
	Manual corrections	1/2002
N.	New products	11/1998
	N.E.R.	3/2003
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	Operating instructions	11/2000, 7/2001, 8/2001
	OFAF	1/2003
	Overfilling dewars	4/2002
P.	Parts sale XLC	1/1998
	Excess parts sale	12/1998, 4/1999
	Power supply/fill valve case problem	6/1999
	Paint system	3/2002
	Power cords	10/1999
	Parts replacement	11/2000
	Phase separator for discharge device	8/2002
	Pricing 2003	11/2002
Q.	Question & answer	8/1999, 11/2001
	Question-trouble shooting empty cyl.	2/2003
R.	Rental vapor shipper	6/1999, 7/1999
	Rental program	8/2000, 3/2002
	Recorder for TEC-2000	7/1999
	Repair program	5/2000, 4/2002, 8/2000, 4/2001
	Replacement kit-plumbing parts	4/2000
	Rust removal	2/2002

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S.	Sale-refurbished inventory	11/2000, 2/2003
	Sanitizing	4/2001
	Settings for XLC units	7/2000
	Spare parts	10/1997
	Shipping cartons	1/2002
	SUC box w/handle	8/2000
T.	Tank switcher	7/2000
	Temp curve silicon diodes	5/2001
	TEC-2000 refurbished controller	10/2000
	Tee assembly	6/1998
	Temp module ampules	10/1998
	Tray table access HE units	2/2002
	3 way purge valve	9/1997
	Tools for servicing XLC	5/1998, 8/2002
	Tool box	1/2000
U.	Upgrade program termination LSCI	11/1998
	Update user manual	3/1999
	Update phone and address CS & TS	5/1999
V.	Valve-purge valve case problem	9/2001
W.	Warranty change	4/1999
	Warranty	5/2000
	Water in units	10/1999
X.	XLC-230 & 230 GEN II	3/2000
	XLC-810HE GEN II	11/2002
Y.	Y2K protection	2/1998

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Cryosystem 750	4/2004
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Repair pricing	8/2003
Replacing lid liner	8/2003
Research dewars	10/2003
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Subdividers for 1830HE	12/2003
TEC-2000 stand alone latest revision 48" height	8/2003
Technical service training overview	5/2004
Testing TEC-2000 alarms	12/2004
Turntable concerns	9/2003
Upgrade kits	12/2003

TEC TIPS CAN NOW BE FOUND ON CHARTS WEBSITE

The Tech Tips have not been mailed for some time. They can be accessed on our website www.chartbiomed.com. Click onto resource library and then into Technical Tips. There will be a user name and password required. If you would like to access this monthly publication please contact customer service at 800 482-2473 and ask for the user name and password.

POSITIONING INFORMATIONAL PACKET

In response to issues raised at our previous training session the following changes have been implemented across the board for all models.

1. The literature packet will be shipped inside the box with the TEC-2000 on all tanks.
2. HE units: In the literature packet bag will be a small zip lock bag with a small amount of Duxseal, this can be used to seal the sensor tube openings to prevent ice buildup.
3. HE units: The desiccant bag will have an end tied with twine, which is also tied to the turn tray handle. This will allow the bag to simply be pulled out of the tank during installation.

POWER SUPPLY NOTICE

Chart has completely integrated all non-cabinet freezers to a Jerome power supply. MDC power supplies for stand-alone units are no longer available (10883169 and 10883177). Part numbers to remember when ordering replacements power supplies:

Domestic models 11943012 (power supply kit 110V) include detachable 110V cord, power supply, mounting brackets and screws.

European models 11929886 (power supply kit 230V) includes detachable 230V cord, power supply, mounting brackets and screws.

The power supply for the cabinet units will remain the same for the time being.

NEW CUSTOMER SERVICE NUMBERS

Customer Service:

800 482-2473 toll free
770 257-1299 direct
888 932-2473 toll free fax
770 257-1300 fax

Technical Service:

952 641-6115 direct
866 819-5897 toll free
612 382-6678 cell
952 882-5172 fax

P/N	DESCRIPTION	REPLACED BY	DESCRIPTION
10570736	FNL MVE 1830 ATEC	11916807	FNL MVE 1830 A-TEC 2004
9922109	FNL MVE 1830 HE	11916356	FNL MVE 1830HE 2004
10734690	FNL MVE 1830 HEF	11916372	FNL MVE 1830HEF 2004
10752273	FNL MVE 1830 HEF-GB-BB	11916381	FNL MVE 1830HEF-GB-BB 2004
10913284	FNL MVE 1830 HEFD	11916399	FNL MVE 1830HEFD 2004
10913348	FNL MVE 1830 HEFD-GB-BB	11916401	FNL MVE 1830HEFD-GB-BB 2004
11889415	FNL MVE 1830 HEFD-GB-BB MDD CE	11916410	FNL MVE 1830HEFD-GB-BB MDD CE 2004
11842852	FNL MVE 1830HE GEN 2	11916250	FNL MVE 1830HE-G2 2004
11842879	FNL MVE 1830HEF GEN 2	11916276	FNL MVE 1830HEF G2 2004
11842908	FNL MVE 1830HEF-GB-BB GEN 2	11916284	FNL MVE 1830HEF-GB-BB G2 2004
11842916	FNL MVE 1830HEFD GEN 2	11916292	FNL MVE 1830HEFD G2 2004
11842941	FNL MVE 1830HEFD-GB-BB GEN 2	11916305	FNL MVE 1830HEFD-GB-BB G2 2004
11889562	FNL MVE 1830HEFD-GB-BB MDD CE GEN 2	11916313	FNL MVE 1830HEFD-GB-BB G2 2004 MDD CE
11679522	FNL MVE 1830 ETERNE	11915943	FNL MVE 1830 ETERNE 2004
11679531	FNL MVE 1830 ETERNE F	11915951	FNL MVE 1830 ETERNE F 2004
11679565	FNL MVE 1830 ETERNE F-GB-BB	11915960	FNL MVE 1830 ETERNE F-GB-BB 2004
11679573	FNL MVE 1830 ETERNE FD	11915978	FNL MVE 1830 ETERNE FD 2004
11679602	FNL MVE 1830 ETERNE FD-GB-BB	11915986	FNL MVE 1830 ETERNE FD-GB-BB 2004
11889538	FNL MVE 1830 ETERNE FD-GB-BB MDD CE	11915994	FNL MVE 1830 ETERNE FD-GB-BB MDD CE 2004
11711924	FNL MVE 1830HE+	11916170	FNL MVE 1830HE+ 2004
11711967	FNL MVE 1830HE+F	11916188	FNL MVE 1830HE+F 2004
11711991	FNL MVE 1830HE+F-GB-BB	11916196	FNL MVE 1830HE+F-GB-BB 2004
11712054	FNL MVE 1830HE+FD	11916209	FNL MVE 1830HE+FD 2004
11712089	FNL MVE 1830HE+FD-GB-BB	11916217	FNL MVE 1830HE+FD-GB-BB 2004
11889554	FNL MVE 1830HE+FD-GB-BB MDD CE	11916225	FNL MVE 1830HE+FD-GB-BB MDD CE 2004
11877861	FNL MVE 1830HE+FD-GB-BB VITA34 MDD CE	11877861	FNL MVE 1830HE+FD-GB-BB VITA34 MDD CE (No replacement, existing model was revised)
11199609	FNL MVE 1830HEC	11917121	FNL MVE 1830HEC 2004 FOR CDC
10999444	FNL MVE 1830HEF-CDC	11917130	FNL MVE 1830HEF-CDC 2004 FOR CDC
11742173	FNL MVE 1830 ETERNE C	11917148	FNL MVE 1830 ETERNE C 2004 FOR CDC
11742181	FNL MVE 1830 ETERNE F CDC	11917156	FNL MVE 1830 ETERNE F-CDC 2004 FOR CDC
10541572	FNL MVE 1830-2T	11916911	FNL MVE 1830-2T 2004
10752177	FNL MVE 1830-2TF	11916962	FNL MVE 1830-2TF 2004
10752206	FNL MVE 1830-2TF-GB-BB	11917009	FNL MVE 1830-2TF-GB-BB 2004
10913217	FNL MVE 1830-2TFD	11917033	FNL MVE 1830-2TFD 2004
10913250	FNL MVE 1830-2TFD-GB-BB	11917041	FNL MVE 1830-2TFD-GB-BB 2004
11889407	FNL MVE 1830-2TFD-GB-BB MDD CE	11917050	FNL MVE 1830-2TFD-GB-BB MDD CE 2004
9918759	FNL MVE 1830	11916487	FNL MVE 1830 2004
10752097	FNL MVE 1830F	11916508	FNL MVE 1830F 2004
10752126	FNL MVE 1830F-GB-BB	11916516	FNL MVE 1830F-GB-BB 2004
10913372	FNL MVE 1830FD	11916524	FNL MVE 1830FD 2004
10913461	FNL MVE 1830FD-GB-BB	11916559	FNL MVE 1830FD-GB-BB 2004
11889423	FNL MVE 1830FD-GB-BB MDD CE	11916567	FNL MVE 1830FD-GB-BB MDD CE 2004

TOTAL 42