

MVE Tech Tips

A monthly publication for the MVE Biological Products Distributors

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SOLENOID FILL VALVE (SEE ATTACHED)

With the discontinuation of the Alcon solenoid valves that we use on our MVE freezers (see March 2004 Tech Tips) we have almost completed phasing in the SMC valve. The new valve has a .5Mpa (72.5psi / 5 bar) operating pressure rating. It has a "withstand" or burst pressure rating of 5Mps (725psi / 725psi / 50 bar). See specs below for SMC valve (part number 11884614):

- SMC VCW31-5C-5-02N-C-Q
- Valve series 3
- Normally Closed
- 24VDC
- Conduit electrical entry
- 5mm orifice size
- Thread type: NPT
- Material type: brass
- Seal material: PTFE

SHIPPING LOOSE PARTS INSIDE FREEZER

In response to issues brought up at the training session, the following changes will be made to the way tanks are shipped.

1. The literature packet will now be shipped inside the box with the TEC-2000 for all tanks.
2. For HE units: Inside the Literature Packet bag there will be a zip lock bag that has a small amount of Duxseal, this can be used to seal the sensor tube openings to prevent ice buildup.
3. For HE units only: 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.

ALUMINUM SLEEVES THAT CAN BE ADDED TO STANDARD MVE MODELS.

The following are now an accessory to MVE series freezers that will be used for vapor phase storing of bio-samples. These models are MVE-1200, 1400, 1841, 230, 500, 511, & 600. The aluminum sleeve is placed along the inside diameter of the inner.

Model	Sleeve Part Number
MVE-1200	10742518
MVE-1400	11707562
MVE-1841	11541241
MVE-230	11900477
MVE-500	11062055
MVE-511	11905227
MVE-600	11707554

A vapor pack is also available that includes the temperature reduction sleeve and a vapor platform:

Model	Sleeve Part Number
MVE-1400/1411	11913243
MVE-600/611	11913235

Contact customer service for pricing.

QUESTION AND ANSWER

Q. "What is the working life of the Battery Backup? I have a customer where the TEC-2000 is displaying "low battery". Can this mean that the shelf life of the battery is about to expire, time to replace?

A. The life of the batteries is 4 to 6 years. Similar to an automotive battery. They should confirm that the battery circuit is functioning normally by the following.

- Disconnect main power to see if it will operate on the batteries.
- Reconnect main power and disconnect the batteries from the controller. Check the battery connection at the controller to see if there is voltage output at that point.

If it will run on batteries, and there is output to the batteries from the controller when main power is supplied, the low battery alarm may indicate that the batteries are about to expire. If the unit has been operating on main power for at least 48 hours, and the low battery alarm is indicated, the batteries should be replaced. If they are getting frequent power failure alarms, this could mean that it is not running on main power long enough to recharge the batteries. A download of the data log would help confirm the diagnosis.

Q. Is the new controller going to have the function that allows you to disable individual alarms?

A. The new controller will have the capability to disable individual alarms. The TEC-2000 also has the capability to disable most alarms individually.

FOOTBALL SEASON IS HERE.

A first grade teacher from Wisconsin was polling her class and asked, "How many of you are Packer fans and why?" Little Suzie raised her hand and said, "I am a Packer fan because my parents are Packer fans." They all raised their hands but one little boy. She asked little Johnny why he did not raise his hand. Johnny stated, "I am a Viking fan because my parents are Viking fans." The teacher answered, "Are your parents idiots?" "No." answered Johnny, "Then they would be Packer fans."

BIO-MEDICAL CUSTOMER AND TECHNICAL SERVICE

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If you have questions concerning your MVE/Chart dewars or cryogenic freezers please contact Customer Service: Mary or Marae at 888 683-2796 or Jim in Technical Service @ 866 819-5897.



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