

MVE Tech Tips

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Vapor Shippers In Space

Recently we received communication from Mr. Rob Rowland, a plastics engineer for the Lockheed Martin Advanced Thermal Team of the Crew Thermal Systems Division at the Johnson Space Center. They were looking for some specifications of an XC14/3V they had. This vapor shipper model had been built in the late 1980's and early 90's. He mentioned that the KSC freezer (MVE XC14/3V) has flown on four previous Space Shuttle missions, STS-87, STS-95, STS-93 and STS-111. It has performed flawlessly in space and is also certified for flight on the International Space Station. Not bad for being 10 years old.

White Elephant Dewars

Chart has immediately available at greatly reduced prices some "White Elephant Dewars" that are destined to be orphaned. They are dewars that have been discontinued or custom units that have been cancelled. All carry a 3-year vacuum warranty and 1 year on parts.

11198761 XC35/5V This is vapor shipper or liquid storage unit capable of 5 weeks in vapor. No protective shipping carton available. It is the same size as an XC35/12 with 10 canisters included. There are 6 of these @ \$530.00 each.

11052674 Cryosystem 8 This is a 90 liter- 6" neck storage dewar that can hold 8 canisters or 8 (25vial-9slot) mini racks. A roller base can be purchased as an option to this. There are 7 of these @ \$422.50 each. Note: these do not have racks or canisters included. These can be purchased separately.

10585911 Cryosystem 3600 This is a shorter version of the Cryosystem 4000. The dewar holds 90 liters of LN and holds 4 (100 vial-9 slot) rack. There is only one of these @ \$550.00. Racks are included in this.

9918999 XC47/11 MM This is basically a flanged XC47/11 without canisters and a canister divider. The top flange can be removed and replaced with a slotted neck ring assembly. There are 5 of these @ \$450.00 each. The replacing neck ring kit and canisters are not included and can be purchased separately.

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