

-160°C Upright Storage Freezer with Zero LN2 Exposure

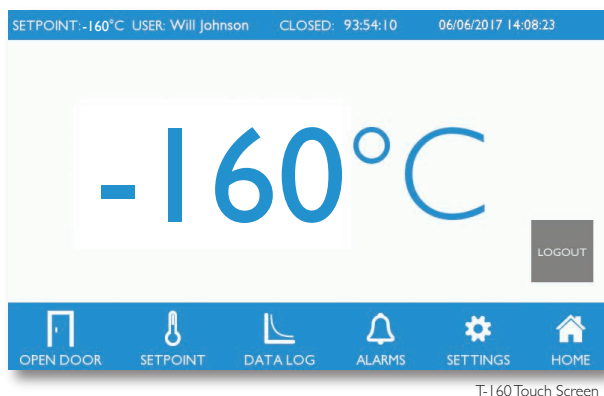
**GMP qualified units currently used in Biopharma.
Designed for cGMP applications.**

Climbing a ladder and putting your hand into a vat full of liquid nitrogen to access your products is now a procedure of the past. You can now reach temperatures down to -160°C in the convenience of an upright freezer with the patented Cryometrix T-160.

Whether you need long term storage at -160°C or need to freeze products for your manufacturing process, the T-160 is the solution for you. The redundant cooling system and onboard 7 day battery backup ensure that your processes can continue uninterrupted even in the worst conditions.

The T-160 features state-of-the-art temperature and data logging which can be easily accessed through the touch screen or downloaded to your computer. With up to 30 users and 3 security levels, you can easily control who can open the freezer, change the setpoint, and make adjustments to the settings.

Many Cryometrix T-160 freezers are currently being used by various pharmaceutical companies as part of their cGMP applications. Reliability, repeatability and fast freeze times all mean that your manufacturing processes can flow seamlessly while increasing your throughput.



Ultra low temperature freezing made easy

- Temperature adjustable from +20°C to -160°C
- Temperature uniformity $\pm 5^{\circ}\text{C}$ throughout
- Rapid temperature recovery after opening
- Built-in data logging with up to 30 users
- 100% stainless steel construction
- 20-year warranty on cooling system
- 7 day built-in battery backup & redundant valves
- IQ/OQ/PQ validation documents available

To identify the best frozen storage options for your precious biospecimens, simply contact Cryometrix today.



801.226.4100



info@cryometrix.com

Consider the many advantages of a Cryometrix T-160 freezer

Enjoy the efficiency of easy-to-reach samples with reliable ultra-low temperature performance.

The Cryometrix T-160 freezer offers valuable benefits for everyone involved in your freezing processes. Lab personnel get the time-saving convenience of upright storage and easy access, while the overall organization gains the economic and sustainability advantages of greatly reduced energy usage. The benefits extend to the eventual users of the frozen materials themselves, as the Cryometrix freezer minimizes the risk of sample warming and quality deterioration due to door open-close events and freezer breakdown.

FEATURES	BENEFITS
Compressor-free, liquid nitrogen freezing	<ul style="list-style-type: none"> Minimizes service interruptions/downtime Uses up to 90% less energy than mechanical units Fastest door open recovery in the industry Reduces the need for maintenance or repairs when compared to mechanical freezers No HVAC required No refrigerant chemicals, oils, or CFCs Completely silent operation
Upright 100% stainless steel interior & exterior	<ul style="list-style-type: none"> Fast, convenient access to stored materials Easy cleaning and sterilization
Secure, programmable controls with touch-screen interface	<ul style="list-style-type: none"> Simplifies management/security, monitors freezing processes and logs user operations
Reliable Backups	<ul style="list-style-type: none"> Battery Backup will allow normal freezer operation for up to 7 days upon loss of power Emergency manual LN2 valve allows freezer to run without any power until LN2 is depleted Redundant LN2 cooling system Downloadable Temperature, Alarm, & User Log



Dimensions

- Exterior: Height 86 in. x depth 42 in. x width 48 in.
- Interior: Height 60 in. x depth 26.5 in. x width 34.5 in.
- 31.7 cubic feet interior capacity
- Can be placed against wall, no ventilation space needed

Capacity

- Holds up to 57,600 vials (1.2-2 mL, internally threaded)
- Custom shelving* configuration adjustable every 0.5"
- With a three shelf configuration, each shelf can hold 6 racks x 5 boxes deep (standard 100 vial box)

**T-160 comes standard with 6 shelves*

Trust Cryometrix for your biorepository needs

Cryometrix offers a comprehensive array of cryogenic storage freezers, ultra low temperature freezers, shipping containers, and transportation refrigeration units. Our business is making things cold. Cryometrix freezing, cooling and refrigeration products use a revolutionary patented liquid nitrogen technology. Why liquid nitrogen? No compressors, no CFC's, low energy usage and greatly reduced maintenance. Want to reduce your cooling costs while improving performance? Contact Cryometrix and we will show you what we can do.