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GX Solutions Ultra-Low Temperature Freezer From Helmer is Energy Star® Certified

GX Solutions ULTs provide immediate access to energy efficient and sustainable ultra-cold storage.

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Company Background

Helmer Scientific, now part of Trane Technologies Life Science Solutions, is a U.S.-based manufacturer and worldwide distributor of medical-grade cold storage and laboratory processing equipment. We have over 45 years of experience providing high-quality temperature-controlled environments, with our products being used in over 125 countries. Precise temperature performance and control are essential to the successful storage of pharmaceuticals, and Helmer cold storage products are designed and developed with these considerations.

Product Overview

■ GX Solutions ULT Freezers

GX Solutions ULT Freezers are designed and tested to deliver world-class temperature performance. Featuring OptiCool™ Cooling Technology, GX ULTs offer:

- Tight temperature uniformity and fast recovery after door openings.
- Quiet operation.
- Sustainable, natural hydrocarbon refrigerants.

■ Efficiency and Sustainability

GX Solutions ultra-low temperature freezers support efficiency and sustainability initiatives without sacrificing performance. Helmer ULTs have been recognized by the U.S. Environment Protection Agency (EPA) as meeting Energy Star® certification requirement for the High-Performance Laboratory Grade Freezer category.

The Energy Star® program helps safeguard the environment by promoting superior energy efficiency across a broad range of products, including testing and recognition of cold storage devices used for clinical applications. This equipment category is used across healthcare and research facilities to store medications, vaccines, and more.

The energy management afforded by the OptiCool™ cooling system means that GX Solutions ULTs are 35-45% more energy efficient than conventional medical-grade ultra-low freezers. By using multi-stage cascade refrigeration technology combined with dual capacity compressors (VCCs) and natural hydrocarbon refrigerants, OptiCool™ efficiently manages both low and high-stage cooling loops.

■ Natural Refrigerants Support Environmental Sustainability

The OptiCool™ system uses naturally occurring refrigerants R170 and R290 that are EPA, Significant New Alternatives Policy (SNAP), and EU F-Gas compliant. These natural refrigerants are environmentally friendly, having no impact on ozone depletion and a very low Global Warming Potential (GWP) grade.

The use of natural hydrocarbons:

- *Reduces Heat Output* — allows facilities to place freezers in small work areas while limiting impact on HVAC systems.
- *Decreases Carbon Footprint* — uses natural hydrocarbon (HC) refrigerants to dramatically decrease global warming potential.
- *Helps meet ever-changing energy standards.*

Sustainability in the healthcare and life science industries has become a focus the past several years. While healthcare systems are responsible for treating patients impacted by climate change, they are also major contributors to the overall problem.

Helmer and its parent organization, Trane Technologies, are fully committed to supporting global sustainability initiatives. We have committed to removing a gigaton of greenhouse gas emissions from our customers' carbon footprints by 2030.

■ Immediate Access to ULT Storage

Need an ultra-low freezer but don't have time to wait? Helmer Scientific GX Solutions are available for immediate shipment.

Contact Information

Contact a Helmer Scientific sales representative at sales@helmerinc.com.