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GX Solutions Freezers Round Out Helmer's Vaccine Storage Portfolio

GX Solutions provide vaccine storage options to meet CDC guidelines and emerging NSF standards.

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Founded: 1977

Employees: 300

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Company Background

Helmer Scientific is a manufacturer and worldwide distributor of medical-grade cold storage and laboratory processing equipment. We have over 40 years of experience in providing high-quality temperature-controlled environments, with our products used in over 125 countries throughout the world. Helmer originated in the blood bank market where precise temperature control is essential to the successful storage and transfusion of blood products. These same principles have been applied to the design and development of the Helmer pharmacy cold storage products.

Product Overview

GX Solutions professional medical-grade freezers launched early this year to complete Helmer's line of vaccine storage options. GX Solutions freezers are designed for the unique needs of critical healthcare applications such as medication and vaccine storage. Only professional medical-grade freezers deliver optimized control in three important areas: temperature, noise, and energy management.

GX Solutions are powered by OptiCool™ technology and pairs a variable capacity compressor (VCC) and natural hydrocarbon refrigerants to efficiently manage energy consumption. VCC and evaporator fans ensure temperature-sensitive products and samples remain stored under the appropriate conditions. For example, when doors of a medical-grade freezer are opened, or product with heat-load is introduced into the cabinet, it is critical that the cold storage unit recovers temperature quickly. In this case, the VCC and evaporator fan will run at the highest speed possible to rapidly bring temperatures into range. When cold storage is not used for extended periods, the VCC and evaporator fan will run at very low speeds to efficiently maintain temperatures.

OptiCool™ technology uses a naturally occurring refrigerant that is U.S. Environmental Protection Agency (EPA) and Significant New Alternatives Policy (SNAP) compliant. This natural refrigerant is environmentally friendly, having no impact on ozone depletion and an astonishingly low Global Warming Potential (GWP) grade.

Additionally, GX Solutions are designed to meet CDC guidelines for vaccine storage, as well as emerging standards for vaccine storage through NSF. The CDC recommends using a purpose-built or medical-grade vaccine storage unit with a digital data logger (DDL) to safeguard vaccines. Helmer's next generation iSeries freezers provide temperature data in real-time and access to event logs to help providers meet CDC guidelines. The Joint Committee for Vaccine Storage, NSF, have drafted testing protocols and standards to ensure vaccines remain within required temperatures in real world conditions. GX Solutions have been designed and tested against this standard to meet NSF guidelines. It is expected these standards will be approved in 2021 and eventually adopted as part of the CDC guidelines.

Features & Options

GX Solutions Offer:

- Professional, medical-grade performance including optimal temperature uniformity, recovery, and stability; noise reduction; and decreased energy usage.
- Continuous monitoring by the i.C3® Information Center which provides safety and security for the stored products, performance history records, and data download.
- Customized storage options which include ventilated, pull-out pharmacy drawers, ventilated shelves, and solid drawers to maximize facility storage needs.
- Medication and vaccine storage optimization supporting CDC guidelines for vaccine storage, and integration with automated dispensing systems.

Graphs & Charts

