

Sustainable Labs. How to Source More Energy-Efficient Products using ENERGY STAR®

Many laboratory heads, facility managers and procurement leads put sustainability high on their agendas and often list it within their buying criteria alongside things such as value for money, specifications, quality and after-sales support. Therefore, users must identify and source the most energy-efficient product and solutions for the laboratory.

Cold storage is one of the main areas of focus in reducing energy use within the laboratory, used for a wide range of applications from stocking reagents and chemicals used within laboratory processes to storing patient and research samples or medicines, biologics and other finished products.

One way of exploring for more sustainable cold storage equipment is to search for the ENERGY STAR® symbol. ENERGY STAR® is the US government-backed symbol for energy efficiency, providing simple, credible, and unbiased information that consumers and businesses rely on to make well-informed decisions, save money and protect the environment.

<https://www.energystar.gov/productfinder/product/certified-lab-grade-refrigeration/>

The data is available through the program's online tool, allowing users to select and compare different brands and models to make choosing a freezer or refrigerator a little easier.



Haier Biomedical, an ENERGY STAR partner, has numerous refrigerators, biomedical freezers and ULT freezers which have earned the ENERGY STAR. There are 49 different Haier Biomedical models listed in the laboratory-grade refrigerators and freezers section. (click to "[read more](#)")

These include models within the HYC range of pharmacy refrigerators, HLR high-performance laboratory refrigerators, low energy, ultra-low energy and TwinCool ULT freezers and -30°C biomedical freezers. The newest models listed on the website, independently tested and accredited, are the HLR-310FL and HYC-639.



Part of Haier Biomedical's mission is to develop more sustainable products and build an ecosystem of IoT-enabled solutions that give users more data to reduce resources, improve efficiencies, and lower costs. For further information about Haier Biomedical energy-efficient cold storage options, all with hydrocarbon refrigeration which has zero impact on the ozone, join the Haier Biomedical team @ www.haiermedical.com

Haier Biomedical Supports Uganda CCEOP Phase III

On the eve of the January 2022 polio vaccination drive, 1,435 Haier Biomedical vaccine refrigerators arrived in Uganda successfully and the launching ceremony of the CCEOP Phase III program and training seminar was held at the same time. Beyond Logistics Ltd (BLL), as the local partner of Haier Biomedical, will be responsible for warehousing, distribution, installation, and commissioning of the 1,435 vaccine refrigerators in over 130 districts across the country.



The project will run for five months after which the three year after-sales service period will commence. As the Minister of Health Dr. Jane Ruth Aceng noted during the project launch at Kololo Independence Grounds on 12th January 2022, "it's extremely exciting that we are sending the vaccine refrigerators on the eve of the launch of the polio campaign."

This demonstrates to you our commitment in ensuring that we reduce childhood mortality, morbidity and disability due to vaccine preventable diseases while at the same time adults are also currently receiving their Covid-19 vaccination."

As the deployment and usage of Haier Biomedical vaccine refrigerators commenced, the MoH is confident to reduce vaccine spoilage and respond to Covid-19 vaccination, childhood immunization and support the recently launched polio vaccination drive.

As a global supplier and manufacturer of complete cold chain solutions, Haier Biomedical as the leading storage provider has also designed and manufactured solutions for transportation, monitoring and inoculation. This has been achieved by building a complete ecological system of the whole process from production, transportation, distribution, installation, and maintenance. This commitment by the Haier Biomedical team is to guarantee and provide complete solutions no matter the environment for the whole life cycle vaccines, to ensure the vaccination of African children and contribute to the achieving safe, secure, and reliable global immunization.

Haier Biomedical will continue to develop and deliver to the market industry leading energy saving supported equipment for regions with power shortages, cover the whole life service cycle and contribute "Haier Biomedical's" strength to public healthcare development in Africa.

Haier Biomedical's RKN Aviation Container for Safer Pharmaceutical Transportation!

With the increasing demands for temperature-sensitive supplies such as biomedicines, vaccines, and fresh perishable goods in both quantity and quality, aviation cold chain logistics has made significant delivery times and safety. Aviation cold chain logistics for pharmaceuticals particularly has emerged as a crucial point for the sector to be competitive for global airlines and large air transport hubs to provide the latest technology.

Two critical steps in the development of aviation cold chain logistics are the innovation and evolving of new temperature control technology, and the establishment of applicable operational procedures and standards. Fortunately, the WHO, IATA, as well as government regulators and the industry have achieved amazing accomplishments in these two areas via unrelenting coordinated efforts. IATA has elevated the operational and support capacities of the manufacturers, airports, airlines, freight forwarders, and logistics businesses concerned to a new higher level with CEIV Pharma certification.



The market currently prefers temperature-controlled air cargo containers equipped with active technologies such as compressor refrigeration and electric heating. They are the most technologically advanced temperature-controlled devices today, with the most precise temperature control effect, and containers are capable of efficiently safeguarding commodities with stringent temperature requirements, high value, that require air transport. However, due to the industry being in its infancy, the sector has been faced with several obstacles, such as, limited existing manufacturers that can produce active temperature-controlled air cargo containers and high costs, resulting in insufficient supply of containers.

Qingdao Haier Biomedical Co., Ltd. has begun its aggressive exploration in the aviation temperature control industry since 2021 because of its acute understanding into market needs and profound technology history in cold chain transport solutions. Haier Biomedical has successfully established strategic cooperative relationships with China Southern Airlines Logistics, Russian Airbridge Cargo Airlines and created high-quality and high-standard air transport service scenarios.

Emerging equipment manufacturers represented by Haier Biomedical have injected new vitality into the development of the industry. Together delivering superior and cost-effective solutions to customers while also contributing to the rapid growth of air pharma cold chain logistics and the global fight against COVID-19.

