GEA HVF-series
impingement freezer
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New airject technology minimizes dehydration loss while speeding impingement freezing

GEA Refrigeration Technologies through the GEA freezing product range represents innovative solutions in industrial freezing and chilling closely oriented to the stringent requirements of its customers: Safe food processing, cost-efficient, energy-efficient and high product yield

Impingement is the process of directing high-velocity airjets at the top and the bottom of food product. Impingement cold airjets remove the static surface boundary layer that surrounds the product resulting in a very fast freezing, small ice crystals and thus high product quality. Impingement freezing applies to products with a high surface area-to-weight ratio and ideally freeze hamburger patties and other flat products. Impingement technology also applies to crust freezing.

Enhanced impingement freezing
The new GEA HVF-series freezer uses uniquely designed high-velocity airjets to quickly reduce the outer-layer temperature of food. These airjets break the insulating boundary layer, allowing the surface to freeze very quickly compared to a conventional freezer, minimizing dehydration loss. The GEA HVF-series freezer minimizes cellular damage, improves yield and increases shelf life to enhance food quality.

Lower energy consumption
HVF-series airjets minimize the air pressure drop across the system, requiring less fan power. GEA HVF-series are available with our Reduced Volume System (RVS) option seamlessly integrated into the freezer. This technology improves the refrigerant distribution in the evaporators resulting in lower energy consumption from the refrigerating system.

Unique and proven hygienically engineered design
With a fully stainless steel-welded enclosure, floor and structure and ample access to all components, the GEA HVF-series design is proven as the most hygienic on the market today. It allows easy, effective cleaning year after year, satisfying the highest food safety requirements.

Modular design
The GEA HVF-series freezer is available with one single belt (HVF-5 series) or two independent parallel belts (HVF2-2.5). The GEA HVF-series modules are fully pre-assembled in our factory prior to shipping. This pre-assembly ensures high quality manufacturing and short on-site installation. Furthermore, the modular design accepts additional modules to increase capacity.
We live our values.
Excellence • Passion • Integrity • Responsibility • GEA-versity

GEA is a global technology company with multi-billion euro sales operations in more than 50 countries. Founded in 1881 the company is one of the largest providers of innovative equipment and process technology. GEA is listed in the STOXX® Europe 600 Index. In addition, the company is listed in selected MSCI Global Sustainability Indexes.