

## PRESS RELEASE

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### FOR IMMEDIATE RELEASE:

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## **Frigel *FB&PET* Division (Food, Beverage and Pet) to Highlight the Latest Developments in Cooling and Temperature Control solutions at DRINKTEC 2022 (Hall A6/ Stand 304)**

*Innovative solutions that truly represent a paradigm shift in Beverage Industry, bringing staggering water (up to -95%) and energy (up to -30%) savings.*

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### **Who is Frigel?**

With more than 40 years of experience in industrial refrigeration, filled with **innovative solutions and breakthrough technologies**, Frigel has built a broad know how in different industry sectors and a solid position in the refrigeration market.

Through its history, Frigel has always strived to create solutions that aim to **reduce the water and carbon footprints** generated by cooling systems while at the same time supporting customers with a **high-profile engineering support**.

The success of our approach and technologies is proven by the **+10000 customers** that have chosen us.

### **Why is Frigel present at Drinktec?**

After a long wait, **Frigel** is happy to be again present at Drinktec with its **solutions and technologies developed specifically for Beverage applications**.

Thanks to the creation of a **dedicated business unit to Beverage applications**, Frigel has been expanding and consolidating its presence in this sector in the last 7 years. Our team of engineers and experts dedicated to the beverage market has a **consistent knowledge** of not only the refrigeration system connected to a beverage process, but also **of the beverage process** itself.

Such a knowledge guarantees a **different approach to beverage refrigeration**, where **the cooling system is no more just a generic factory utility, but part of the bottling line**, specifically designed for the bottling line products and processes.

This **new beverage dedicated approach** leads to **consistent savings both energy and waterwise**.

## What are we presenting?

At our booth we will present five of our innovative technologies that have already proven, worldwide, their consistency in terms of performance and reliability in the beverage market.

Following a brief introduction of the technologies that we will be presenting:

### MultiStage

**Multistage is Frigel innovative cascade refrigeration chillers system**, specifically developed for beverage processes characterized by high delta temperatures during the cooling phase and low filling temperatures.



Multistage system is composed of **multiple chiller units**, called modules, **connected in series**, in sequence, one after the other.

Having such a connection guarantees that MultiStage modules will be working progressively at higher temperatures with respect to a traditional parallel connected system. This translates in an **energy consumption reduction**, with respect to a standard centralized system, that can go **up to the 30%**.

Such **performance**, combined with a **consistent reliability** and **total modularity**, makes of **Frigel Multistage** an authentic **breakthrough in the Beverage industry**.

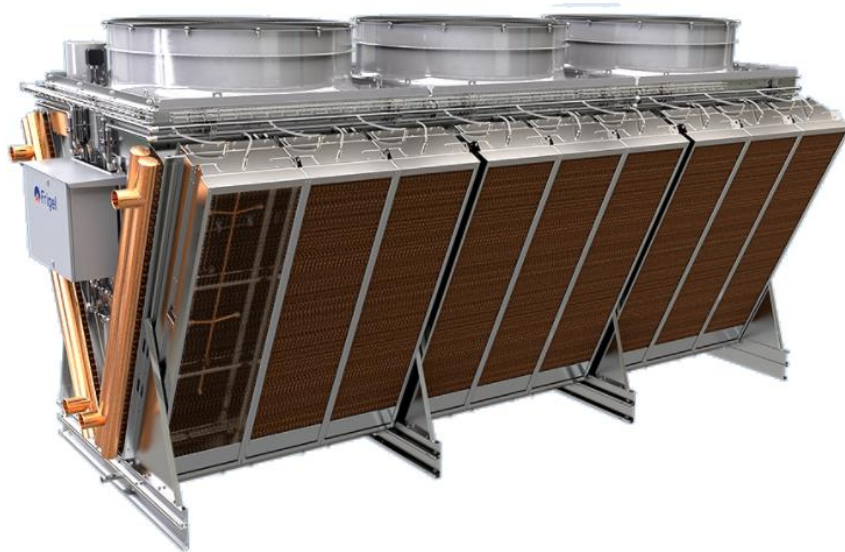
### LDK

With more than 25 years of experience in adiabatic cooling, Frigel is happy to introduce the **new generation of large capacity adiabatic coolers: Frigel LDK**.

Using Frigel **internationally recognized patent**, the “adiabatic chamber”, the LDK is capable of **reducing the water consumption by the 95% with respect to cooling towers**.

The unit is available in four different versions, based on the temperatures required by the process and customer location. Starting from dry -spray -adiabatic up to Hybrid cooler, the LDK range is **able to cover a**

**complete and broad range of applications**, with the highest performance and highest reliability in the market. The unit also offers a **complete fan by fan redundancy** and a **broad modularity**.



## Sanitary skid

Bottling lines heat exchangers are often not optimized focusing on the cooling system consumption. **Frigel** has thus developed a series of **Sanitary skids**, composed of a sanitary **heat exchanger, flow meters, control valves and sensors** all installed on a **single skid**, which can **replace the existing heat exchanger of an existing line**.

Frigel Sanitary skids are designed in accordance with Frigel requirements, **in order to enhance Frigel solutions efficiency and savings**.



## RVM

Frigel RVM is a **high-performance mold cooling unit** designed for preforms, caps and blown products. The RVM includes all the components required to cool down the mold: a **high efficiency VFD screw compressor** and a **VFD high-pressure and high-flow process pump**.

The **intrinsic high efficiency** of the machine, coupled with its **high flexibility**, can **guarantee consistent savings** with respect to traditional systems. The RVM range covers a **broad range of molds PET throughputs**, from **700 kg/h up to 2350 kg/h**.



## Mind

Frigel Mind is the **new supervision system** designed by Frigel to set Frigel machines up to **Industry 4.0 standards**. Customers can now **supervise, monitor and control all Frigel machines** in their plant from a **single access point**. All the parameters, performance, energy KPIs and events history are **accessible locally or remotely** through an **intuitive and multifunctional interface**.

Frigel Mind is the perfect add-on to Frigel systems that allows to exploit their full potential, while at the same time **fosters and simplifies the human to machine interactivity**.

