

PRESS RELEASE



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Frigel's Turbogel TCUs Now Available with Variable Frequency Drives and Digital Flow Meters for Highly Efficient, Accurate & Cost-Effective Temperature Control in Plastics Processing

Visit Frigel Booth W193 at NPE2018 to See How Turbogel TCUs Deliver a Clear-Cut Advantage

EAST DUNDEE, ILL – March 22, 2018 – [Frigel](#), the pioneer in intelligent process cooling, today announced the availability of Variable Frequency Drives (VFDs) and digital flow meters on its line of Turbogel water temperature control units (TCUs) for highly efficient, accurate and cost-effective temperature control in a wide range of plastics process cooling applications.

The configurable line of Turbogel TCUs with new options is one of numerous innovations Frigel will showcase at NPE2018 in Orlando, Fla., May 7-11, 2018. Show attendees are invited to Frigel Booth W193 to see a Turbogel configured to provide up to 50 kW of heating capacity for fast mold heat-up times, even with the largest of molds.

Frigel North America Marketing Manager Al Fosco said the new Turbogel TCU options illustrate Frigel's commitment to continually advancing its technologies and the value of the rigorous approach it takes to giving plastics processors a clear-cut advantage in the marketplace.

"Our first step with customers is to thoroughly analyze process cooling variables involved with their distinct processes, machines and molds," Fosco said. "We then customize each Turbogel to match their exact needs. This scientific approach, combined with innovation, gives processors the ability to leverage process cooling to optimize productivity, profitability and quality. It's one of the Frigel Diamond Service advantages."

The Frigel family of Turbogel TCUs have proven to deliver high turbulent flow and accurate temperature control for decades, often improving processing cycle times by as much as 20 percent. When equipped with a VFD, the unit's pumps now deliver only the amount of water pressure differential and flow needed, when needed, for peak operating efficiency with the least amount of energy consumption. The optional digital flow meter provides flow data with an unprecedented level of accuracy to ensure the best possible mold performance based on the unique characteristics of every tool.

Other highlights of the Frigel Turbogel TCU family include:

- Pumps up to 7.5 kW (10 hp) for a single-zone Turbogel RBM model, or a dual-zone Turbogel RBD model for flow rates up to 30 m³/hr (120 gpm) per zone.
- Dual-zone units with heaters that deliver up to 48 kW, or 24 kW heating capacity per zone. A heater that delivers as much as 50 kW heating capacity is available on the Turbogel RBM to meet special requirements.
- High-cooling capacities for temperature control to within less than 1° C (2° F) of the cooling water inlet temperature.
- Motorized servo-modulating valves, eliminating sharp temperature peaks and valleys found with traditional on/off solenoid valves, and for control typically approaching plus/minus .25°C (plus/minus .5°F).
- User-friendly, microprocessor-based controls with proportional logic for extremely accurate temperature control.

In addition to its Turbogel TCUs, Frigel will showcase advances to its Microgel Chiller/TCU line, as well as its Ecodry closed-loop adiabatic central cooling system and more at NPE. Visit www.frigel.com/npe to learn about Frigel's Diamond Service advantage and how Frigel is taking process cooling innovation to a new level at this year's event.

About Frigel

Frigel has been a worldwide market leader in intelligent process cooling since the 1960s. Foremost among Frigel's products is Ecodry, a unique, internationally patented, closed-loop intelligent cooling system that has been proven at more than 5,500 manufacturing installations worldwide. Ecodry, an environmentally friendly cooling solution, keeps cooling water clean, delivers substantial savings on water, chemicals, energy and maintenance. Frigel also manufactures and markets the unique, cycle-time improving Microgel combination chiller/temperature control unit (TCU), as well as Turbogel and Thermogel TCUs, Aquagel pumping and filtration equipment and Heavygel central chillers. Visit www.frigel.com for more information.

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