

PRESS RELEASE



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Marketing Contact:

Al Fosco, Marketing Manager
Frigel North America
+1 (847) 540-0160
a.fosco@frigel.com

Media Contact:

Mike Grennier, APR
Trefoil Group
+1 (414) 274-3011
mgrennier@trefoilgroup.com

Frigel's Microgel Chiller/TCUs with CT Option Works Seamlessly with Cooling Towers for Improved Productivity, Profitability & Quality for All Plastics Processing Operations

The Microgel unit has proven to deliver better part quality, less scrap & cycle time improvements - typically up to 20 percent. The latest Frigel innovation is on display at NPE2018, Booth W193.

EAST DUNDEE, ILL – March 28, 2018 – [Frigel](#) announced today that its proven line of Microgel combination Chiller/Temperature Control Units (TCUs) can now be configured with a CT Option, allowing them to work seamlessly with open cooling towers. The latest advancement from the pioneer in intelligent process cooling gives all plastics processors the ability to leverage the unique chiller/TCUs to improve productivity, profitability and quality – not just those who use a Frigel Ecodry closed-loop adiabatic central cooling system as a preferred process-cooling water source. The Microgel has proven to deliver better part quality, less scrap and cycle time improvements typically up to 20 percent.

The CT Option is one of several new Microgel innovations on display at NPE2018 in Orlando, Fla., May 7-11, 2018. It filters out potential open-cooling tower water contaminants supplied to Microgels, which are ideal for machine-side process cooling. The CT Option also alerts users to potential problems with contaminated cooling tower water to ensure maximum uptime of the chiller/TCU. Previously, Frigel recommended the use of Microgel units only with an Ecodry central cooling system since it's a closed-loop, clean-water system.

Frigel broke new ground decades ago when it introduced the Microgel as the first-of-its-kind machine that contains a chiller and one or two TCUs in one compact unit for accurate temperature control, and constant high pressure and flow at each processing machine. The CT option is available on the Microgel RCM, RCD and RCX models. Other options now available on the chiller/TCU and on display at NPE include:

- External temperature sensors, which complement internal sensors for highly accurate temperature readouts/control at each mold to further optimize cooling temperatures for improved mold performance.

- Variable frequency drives on the unit's pumps, allowing them to deliver only the necessary amount of water pressure differential and flow needed, when needed, for peak operating efficiency with the least amount of energy consumption.
- Digital flow meters that provide an unprecedented level of accurate flow data to ensure optimal mold performance based on the unique characteristic of each tool.

According to Frigel North America Marketing Manager Al Fosco, the latest advancements for the Microgel line of chiller/TCUs are designed to give plastics processors a clear-cut advantage in an increasingly competitive industry.

"Each processor and each application is unique," Fosco said. "Some rely on open cooling towers for cooling water and some don't. Most need very precise temperature control data. Some need exact pressure differentials based on a given mold. All need turbulent flow. The list goes on. It's why we take a scientific approach when we analyze a customer's application and configure a system to their exact needs. It's the Frigel Diamond Service advantage, which ultimately gives them what they need to optimize productivity, profitability and quality."

The new options available on the Microgel line of chiller/TCUs are among numerous innovations on display at NPE2018. Frigel's presence at the event also extends beyond its exhibits with **32 Frigel units operating in 14 booths of leading plastics machinery manufacturers**, which is unprecedented for any process-cooling equipment company. To learn more, visit www.frigel.com/npe.

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.