

PRESS RELEASE



FOR IMMEDIATE RELEASE

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 Group Introduces 3FR Modular Air-Cooled Chillers to Bring Greater Efficiency, Modularity and Digital Control to Industry Standards

North American plastics processors now have access to leading 3FR Modular Air-Cooled Chillers from 38 to 130 nominal tons to support a full range of intelligent process cooling needs.

EAST DUNDEE, ILL – July 9, 2019 – [Frigel Group](#), the world market leader in intelligent process cooling, has announced the launch of its 3FR modular air-cooled chillers for plastics processors in North America. Supporting needs from 38 to 130 tons, these modular chillers offer better control, flexibility and an industry-leading Energy Efficiency Ratio (EER) for users in need of a smarter option for a wide range of processes, including injection and blow molding, blown film and cast sheet/film extrusion applications.

The line of super-compact 3FR chillers combine high cooling capacities with high energy efficiency to decrease cooling times, increase quality and repeatability of product production, and decrease overall costs. Each unit is equipped with a single refrigeration circuit, high-efficiency Bitzer screw compressor with an optional inverter drive, remote air-cooled condenser and on-board digital controls. As a plug-and-play solution, the units provide low charges of refrigerant gas, high energy efficiency and high reliability. Onboard microprocessor controls found on each chiller offer the ability to optimize performance, including energy monitoring, self-diagnostics and real-time troubleshooting.

The split-system chillers feature an indoor chiller module and outdoor remote condenser, ultimately reducing the system footprint inside the plant. The units are ideal for processors looking to reduce costs and increase efficiency through a streamlined solution that eliminates the need for a cooling tower system, or the need for glycol.

Each unit provides an unmatched level of flexibility that supports plastics processors with an efficient, cost effective solution. Frigel's 3FR chillers represent an evolution of an industry standard, leveraging the company's expertise in intelligent process cooling to bring users increased modularity, efficiency and digital process cooling integration.

- **Modularity:** Frigel's 3FR units are designed as a plug-and-play modular refrigeration solution that offers maximum cooling capacity compared to the footprint, high installation flexibility and high reliability – all in a format that can be easily installed and expanded as needs evolve.

- **Efficiency:** Each 3FR unit includes a high-efficiency screw compressor with variable capacity modulation and is also available with an optional inverter drive that offers continuous modulation from 25 to 100 percent, adjusting to cooling load demand and improving efficiency by preserving energy under variable load conditions. The 3FR is ideal for applications in which efficiency is a priority, supporting operations that need a steady temperature rather than variable temperature needs.
- **Digital controls:** The chiller's microprocessor controls perform self-diagnostics and provide remote control capability to help operators monitor system performance at all times – including energy consumption - while further ensuring peak performance and maximum uptime.
- **Modular 3CR remote condensers:** Each 3FR module has a companion remote Frigel 3CR outdoor condenser equipped with one to seven axial fans available with either on/off or variable speed control. These units are uniquely designed for outdoor use in harsh ambient conditions, including complete stainless steel frames and copper tube/aluminum finned heat exchange coils.
- **Fully tested:** The 3FR and companion 3CR modular systems are factory tested prior to shipment and are fully charged with refrigerant at the factory and include isolation valves and flanges, for quick and inexpensive installation.

"Split-system chillers have been a staple in our customers' manufacturing plants for years, but never did these units come with the host of benefits Frigel now brings to the market for an even higher level of intelligent process cooling," said Al Fosco, Marketing Manager, Frigel North America. "We're combining modularity and efficiency with advanced digital controls, ensuring that these air-cooled chillers are working smarter, not harder, for our customers."

For more information on the 3FR/3CR product line, call Frigel North America at (847) 540-0160. To learn more about Frigel's breadth and depth of solutions, visit www.frigel.com.

About Frigel Group

Delivering intelligent process cooling systems since the 1960s, Frigel Group designs and manufactures custom modular process cooling systems engineered to optimize productivity, profitability and quality. Its technologies are proven worldwide in helping customers use less water, less energy and less chemicals – all with maximum uptime. Frigel technologies include the internationally patented Ecodry adiabatic central cooler, modular central chiller systems, Microgel™ machine-side chiller/TCUs, Turbogel temperature control units and a complete line of portable air- and water-cooled chillers. Its product line also includes Aquagel pumping and filtration equipment.

Frigel is headquartered in Scandicci (Florence), Italy. With regional locations in Italy, North America, Latin America, Asia Pacific, India and Germany, Frigel provides process cooling solutions anywhere in the world. The company's Frigel North America operation is located in East Dundee, Ill., a suburb of Chicago, and is responsible for engineering, sales, service and parts for the United States, Canada, Mexico and the Caribbean. For more information, visit www.frigel.com.