

PRESS RELEASE



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Frigel Introduces Aquagel GPV Central Cooling System Process Pump Sets with Variable Frequency Drives and Advanced 3PR Control Technology

New features combine to ensure pump sets operate at peak efficiency with lowest possible energy consumption – while giving users the ability to gain precise control of the units for optimal performance.

SCANDICCI (FLORENCE), ITALY – August 15, 2017 – [Frigel](#), the pioneer in intelligent process cooling, today announced advanced [3PR](#) control technology and variable frequency drives (VFD) for its new [Aquagel GPV Process Pump sets](#), which combine to ensure the pumps operate at peak efficiency with lowest possible energy consumption – while giving users the ability to gain precise control of the units for optimal performance.

The enhanced Aquagel GPV is part of Frigel’s family of pumping, reservoir and filtration systems designed for fast, economical expansion in use with its central cooling systems – [Ecodry](#) or [Heavygel](#).

With Frigel’s 3PR control console, users can easily monitor all data in real-time for the pump stations. 3PR allows users to readily access full operating schematics that monitor pump performance such as pressures, flow rates and VFD capacity and to make adjustments on the fly. Real-time data, combined with trouble-shooting capability, gives users the ability to gain precise control of the system. 3PR functionality includes:

- Alarm and fault indicators and dated history log to identify any potential system issues
- All pump values including pressures, calculated flow rates and temperatures
- Real-time data for pressures versus set points
- Pump variables in real-time including speed, frequency, and electrical consumption

The VFD pumping assembly on the Aquagel GPV pump sets automatically equalizes pressure depending on process cooling demands, such as the number of machines, pressures and flow rates. As such, the units deliver the best possible performance with the least amount of energy consumption. Additional highlights of the Aquagel GPV pump sets include:

- Modular bolt-on capabilities that easily integrate into Ecodry or Heavygel central systems
- Multiple selections of high-efficiency pump and motor assemblies to meet any system requirements
- A pre-wired inverter drive per pump (range 40 – 60 Hz)
- Manual mode operation available with each inverter
- Automatic pump cycling, including standby pumps, to equalize running times
- Complete factory supplied trim with non-ferrous wetted surfaces

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, 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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