



# Ecody System

*Optimized Cooling  
for the **Plastics Industry***



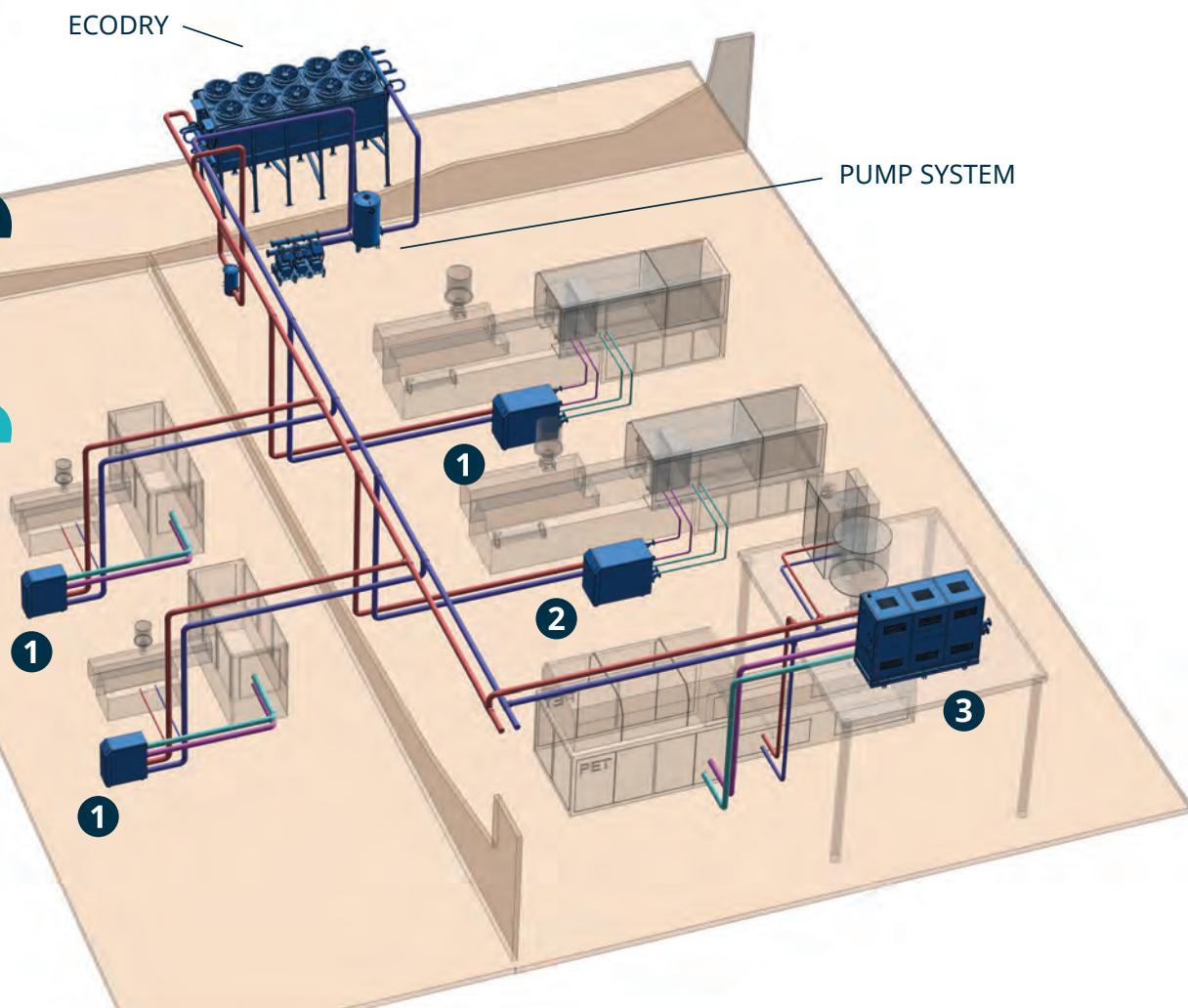
**With 50+ years of plastics processing knowledge and 5500+ installations globally, Frigel continues to lead the industry.**

Ecody System solutions will put you in position to achieve maximum operating conditions. Besides installation, energy, water, chemical and maintenance savings, Frigel's machine-side temperature control concept assures optimum processing efficiencies, reduced scrap and consistent quality.



# Ecodry System

## Systems for Injection Molding, Blow Molding and Thermoforming



### High-Performance Machine-Side Temperature Control

$\Delta T$  1.5°C (2°F) per zone |  $\pm 0.5^\circ\text{C}$  ( $\pm 1^\circ\text{F}$ ) control

#### 1 Microgel™

- Chiller/TCU
- Single or dual zone
- -5°C - 95°C (20°F - 200°F) range

#### 2 Turbogel

- TCU
- Single or dual zone
- Max 95°C (200°F)

#### 3 Microgel RCP

- Single zone high-performance chiller
- Standard shell-and-tube condenser for use with cooling towers
- High flow/pressure pumps for PET, large blow molded parts, etc.
- 10°C - 30°C (50°F - 90°F) range

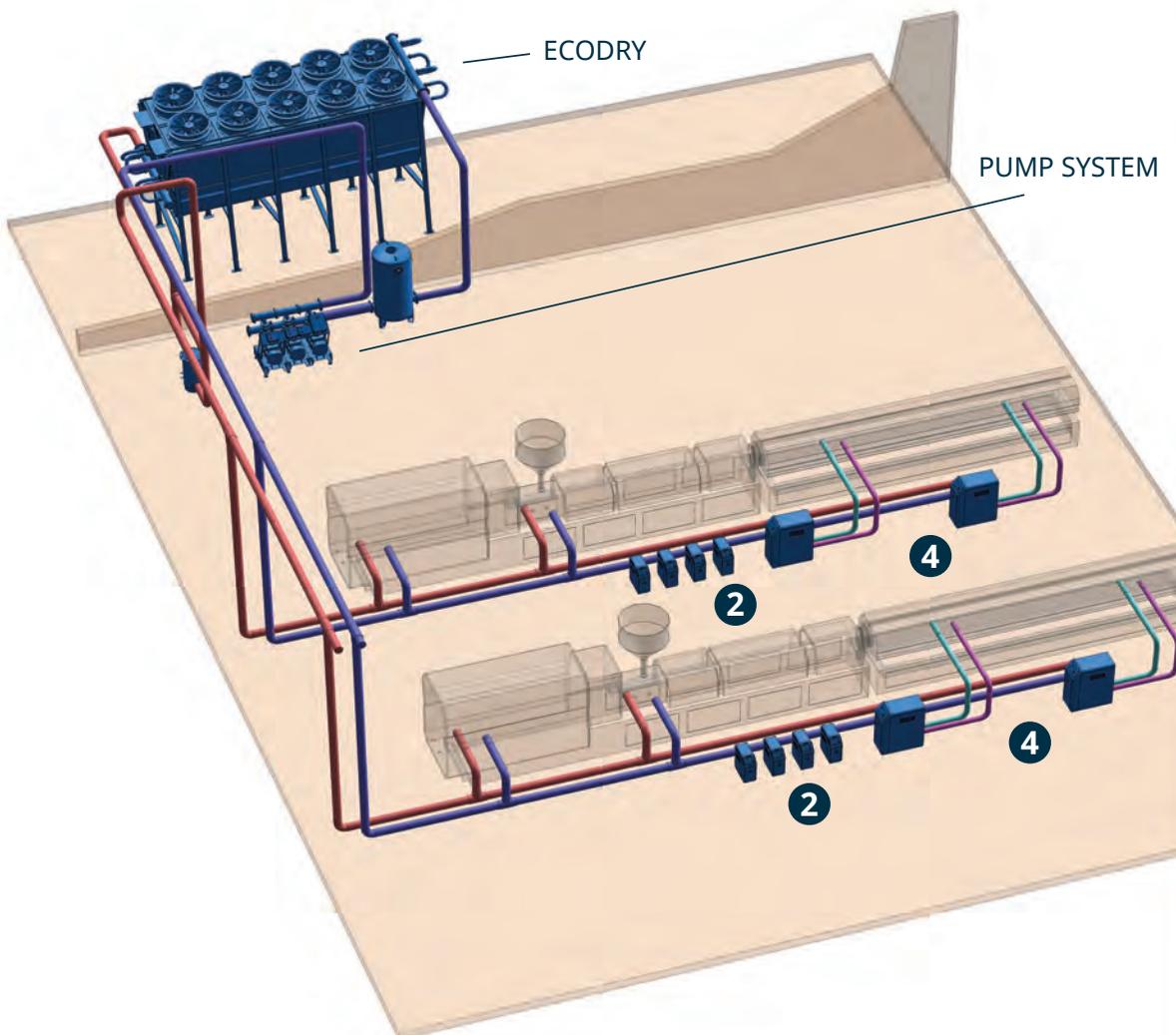
#### 4 Microgel RCX

- Single zone high-performance chiller
- Integral heat exchanger and cooling tank recirculation pump
- No need for gravity return/underground sumps
- 10°C - 30°C (50°F - 90°F) range

# Ecody System - Like No Other

- Low installation cost – one set of non-insulated mains and drops
- Individual temperature control flexibility
- Tight temperature control with motorized modulating control valve per zone
- Local high flow and pressure for optimum processing – no central chiller pressure losses
- Automatic free-cooling per machine when conditions permit
- Molds and heat exchangers remain clean for maximum process performance
- Record the temperature and flow rate for each process

## Systems for Pipe/Profile Extrusion



Your Operation's  
Needs Are at  
the Forefront



From detailed cost analysis to robust engineering to steadfast service and support, Frigel is here to help you achieve just the right solution for optimal cooling performance in your facility.

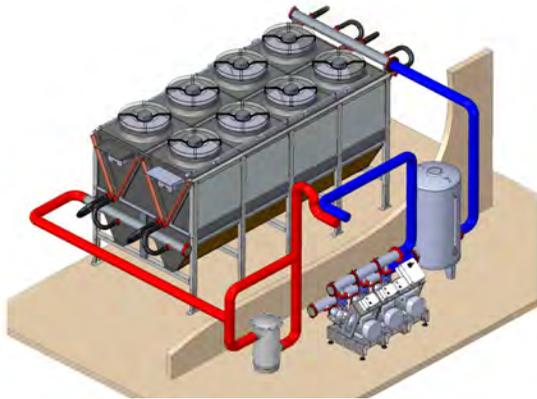
### Let's Discuss Your Application

Contact the Frigel team today to get the world's most efficient cooling – optimized for your needs.

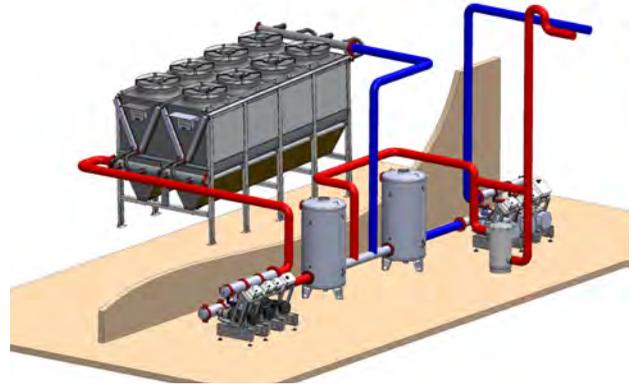
  
*Intelligent Process Cooling*

## Comprehensive. Expandable. Adaptable.

Ecodyry systems are selected and designed for glycol (or water in non-freezing climates), as well as self-draining versions for installation in cold climates without glycol. Simply add Ecodyry modules, pump sets and Microgel/Turbogel units as you grow.



*Glycol system*



*Self-draining system*



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