



Heavygel Air-Cooled Central Chillers



Optimized cooling for your application and environment.

With a wide range of configurations, Frigel has engineered Heavygel 3HL & 3HM central chillers to bring you the best results possible, including industry-leading Energy Efficiency Ratings (EER).



Heavygel Air-Cooled Central Chillers

Heavygel 3HL Industrial Chillers

Maximum Efficiency in Your Facility

Heavygel 3HL central chillers provide optimal cooling without the need for a condenser water source.

High-Performance Components Deliver Operational Benefits

- **Energy efficiency** - Dual-circuit design featuring high-efficiency screw compressors with infinite capacity control.
- **Durability** - Modular condensers with axial fans with head pressure control and available coil coating for harsh environments. Standard shell-and-tube evaporators with optional freeze protection heaters.
- **Environmental sustainability** - Ecological R134a refrigerant conforming to 1005/2009.
- **EN 60204/1-compliant safety** - Electrical enclosures with microprocessor controllers, thermal motor protection, door interlocks and emergency stop buttons.



*Extensive
Configurations
to Match
Your Exact
Requirements*

Frigel's experts will work with you on an optimal configuration.

- 8 models with capacities of 270 to 1430 kW (75 to 395 tons)
- Standard temperature versions for operation from -5 to 17.5°C (23 to 63.5°F) in ambient temperatures from -15 to 43°C (5 to 109°F)
- High-temperature models for operation from 7 to 25°C (45 to 77°F) in ambient temperatures from 5 to 55°C (41 to 131°F)
- Fan selections for ambient temperatures down to -15°C (5°F)
- High-pressure fans available for standard temperature models for use with exhaust ductwork
- Easily expandable for use with Frigel Aquagel pump sets, reservoirs and filters



Heavygel 3HM Industrial Chillers

For the Rugged, Reliable Cooling You Need

- Durable hermetic scroll compressors
- Choice of shell-and-tube or stainless steel brazed plate evaporators with drain and vent valves
- Axial fans with head pressure control
- Galvanized steel structures, enclosures and access panels
- Continuously optimized operation with microprocessor control

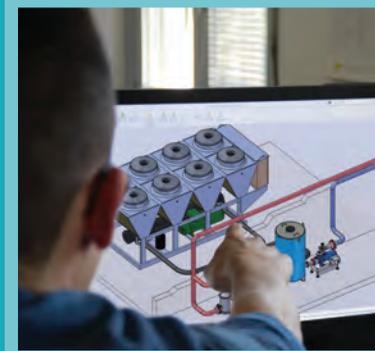


Programmable controller mounted externally for ease of use

Multiple Options for Global Applications

- Low environmental impact refrigerant – R410a or R134a
- Single- or dual-circuit design with 1 – 4 compressors
- 15 standard temperature models with capacities of 60 to 580 kW (17 to 160 tons) and operation from -5 to 18°C (23 to 65°F) in ambient temperatures from -15 to 43°C (5 to 109°F) – R410a
- 8 high temperature units for ambient temperatures from 5 to 55°C (41 to 131°F) and capacities from 60 to 305 kW (17 – 85 tons) with set points from 7 to 25°C (45 to 77°F) – R134a
- Multiple fan selections determined by operating and ambient temperatures

Count on the Expertise and Support of the Frigel Network



Few companies offer the detailed system drawings that Frigel provides.

Heavygel 3HL and 3HM are the products of over 50 years of innovation driven by the needs of manufacturers like you.

We know processing plants as well as we know process cooling. As a result, we can quickly bring you exactly the system you need – including all the planning, auxiliaries, training and service to help you achieve the best results.

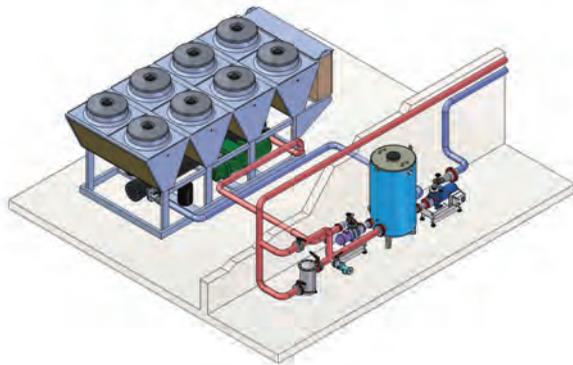
Let's Configure Your Air-Cooled Chiller Solution

Visit **Frigel.com** to contact your local Frigel office today.

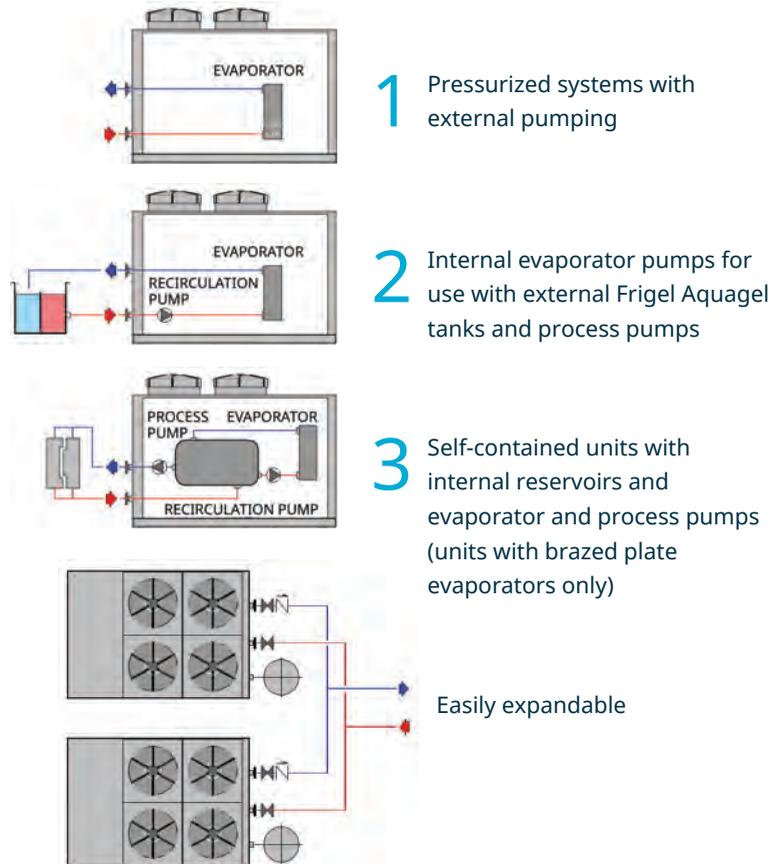


Comprehensive. Expandable. Adaptable.

3HL Central Chiller System



3HM Chiller Configurations



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