



We just do it better. SM

CHILLED WATER INNOVATIONS FOR COMMERCIAL AND PROCESS APPLICATIONS

Widest Technology Range and Most Versatile Resource

- *Modular Chiller Packages with Pumping, Free-Cooling, Heat Recovery*
- *Ultra-Efficient Variable-Speed Chillers with Oil-Free Magnetic Operation*
- *Critical Duty, Data Centers, Government, Medical and Processes*
- *Air-Cooled, Water-Cooled, Fluid-Cooled, Evaporative-Cooled and Free-Cooled Options*
- *Many compressor, controls and fluid handling options*
- *Complete packaged systems with all hydronics*



Products Follow Solutions

The Arctic Chiller Group Strategy



The Game has Changed

It is a world where engineers are not constrained by limited choice and narrow product ranges, but can now obtain exacting solutions to an increasing diversity of thermal cooling requirements, with cost effective leading edge products designed as evolved and applied solutions, not just products. Examples like our controlled subcooling, interstage economizer systems, blended cooling fluid coolers, adiabatic cooling systems across a wide range of system types, compressors, controls and temperatures. Our ability to provide exacting innovative solutions assures customers of refined products that best fit the purpose.

At Arctic Chiller Group, we offer our customers just that. A depth of experience from many customer perspectives and requirements, and both standard and highly diverse custom chillers and fluid handling systems for commercial HVAC, Critical-Duty and Industrial Process applications.

Application Versatility, Innovative Approaches

Our family of companies operate from factories and offices in the US and Canada with customers around the world. Our diversity includes the following companies.

ArctiChill - Based in Newberry, South Carolina, ArctiChill manufactures packaged systems for Critical-Duty, Medical, Process and the now well known "Manhattan Modular" chiller system that has it all and does it all. Visible attention to detail, no field assembly, easy to use microprocessor controls, integrated pumping, low-noise, free-cooling and redundancy options. Our heat-recovery systems enable simultaneous heating and cooling. Our ultra-efficiency modules with variable-speed magnetic bearing compressors deliver outstanding owner value.



FreezeCo Systems - With a rich history in applied cooling systems for industrial process, data-centers, pharmaceuticals, custom modular HVAC, low temp, explosion-proof and the pumping and controls infrastructure, FreezeCo is our flagship for our most advanced applied technologies.



Arctic Cool Flooded Chiller Systems - Arctic Cool is manufacturing the most diverse and compelling range of water cooled and air cooled chillers leveraging the remarkable Danfoss Turbocor compressors with magnetic bearings, oil-free operation and internal VSD.

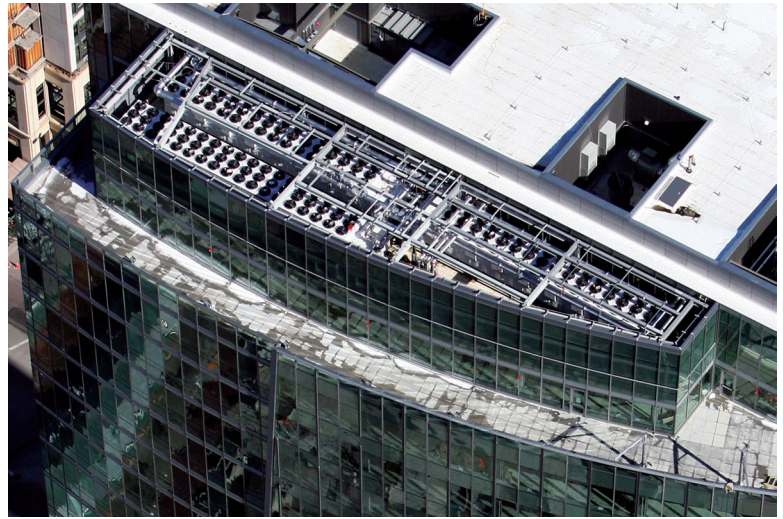


Modular Chillers and Systems

Critical-Duty Redundancy • Many Options



As the leader in modular chillers for commercial HVAC and industrial process requirements, and the pioneer of clean while running strainers, integrated automatic free-cooling, simultaneous heating and cooling, integrated heat recovery modes, fluid cooled and subcooled options, the Arctic Chiller Group can meet or exceed your most ambitious modular needs. Customers tell us we just do it better.



- AIR COOLED, WATER COOLED AND EVAPORATIVE COOLED AND ASSIST SYSTEMS
- SCROLL, SCREW AND MAGNETIC BEARING OIL-FREE COMPRESSORS AVAILABLE
- INTEGRATED PUMPING SYSTEMS WITH CONSTANT OR VARIABLE SPEED DRIVES AVAILABLE
- CLEAN-WHILE-RUNNING INCLUDED
- HEAT RECOVERY FOR SIMULTANEOUS COOLING AND HEATING AVAILABLE
- MANY FREE COOLING OPTIONS
- COMPRESSOR SPECIFIC DANFOSS DESIGNED ADAPTIVE LOGIC CONTROLLER ON ALL MAGNETIC COMPRESSOR MODULES
- SPECIALISTS IN DATA CENTERS, GOVERNMENT, LABORATORY AND HEALTH CARE



Ultra-Efficient Chiller Systems

Water Cooled to 1,500 tons • Air Cooled to 420 tons



Superior engineering results in best in class operational and energy performance. Advances such as interstage cooling, liquid subcooling, evaporative condensing with or without adiabatic assist, direct DX systems and parallel modular compact designs are a few of the reasons Arctic delivers the operation and energy efficiency to the edge of the compressors envelope while avoiding condition that cause Surge or Choke to occur.

- AIR COOLED INDEPENDENT CIRCUIT MODELS FROM 50 TO 420 TONS. WATER COOLED AHRI CERTIFIED SINGLE CIRCUIT MODELS TO 1,500 TONS
- HEAT EXCHANGERS SELECTED FOR TWO DEGREE APPROACH
- DESIGNS CAN INCORPORATE LIQUID REFRIGERANT FREE-COOLING, INTERSTAGE INJECTION, LIQUID SUBCOOLING AND DX SYSTEMS FOR ULTIMATE ENERGY EFFICIENCIES
- COMPRESSOR SPECIFIC DANFOSS ADAPTIVE LOGIC CONTROLLER ON ALL MAGNETIC COMPRESSOR SYSTEMS



Water cooled and air cooled chillers and systems featuring



Industrial Process Chiller Systems

Skidded • Modular • Indoor and Outdoor Designs



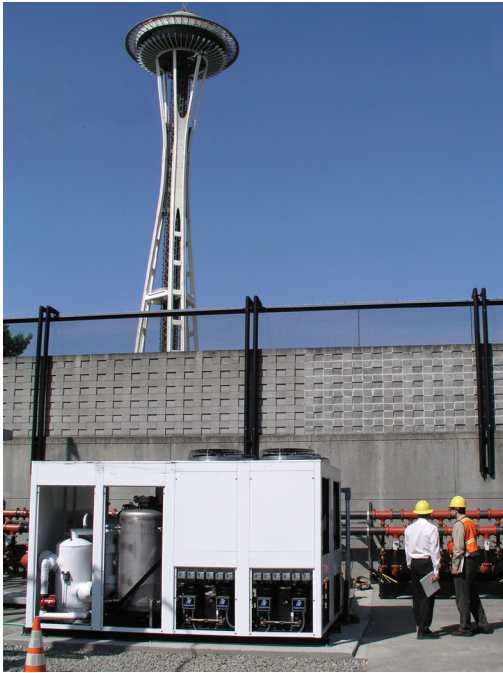
Process Capabilities Equal Advantages

While we enjoy a wide variety of Standard designs, customer requirements often call for something special. Our diverse capabilities can fulfil about any request. Machine cooling, low-temp pharmaceuticals, explosion proof chemical processing, high power equipment cooling, critical medical systems, laboratory test systems, even power transmission line cooling systems are available. The construction methods, attention to detail and exacting performance from our Process world carries over into our Commercial products. The result is the highest value solutions and performance for our customers.



Engineered Systems

For virtually any process requirement



Critical Process Chillers

Manufacturing processes, server rooms, hospitals, laboratory systems that require precise and reliable cooling within a few degrees and at constant pressure are available. Redundancy and automatic failover in operation and controls are available. Shown is a high power transmission line cooling system that assures the Seattle city core receives adequate power and saves the utility by cooling thermal fluids flowing along with underground power lines, increasing the amount of power the lines can handle, eliminating the need for another sub-station.

Chilled Water and Pumping Systems

Standard and specially designed heat transfer and pumping systems in various flow patterns are often specified to deliver precise flows, temperatures and pressures to diverse customer requirements. Packages can be designed for indoor or outdoor installation.

High-Purity Drinking Water Systems

High-purity drinking water systems from ArctiChill are in the US Pentagon, the White House and other critical facilities around the world. Features include carbon and mechanical filtration, ultra-violet, double-wall heat exchangers, stainless tanks and stainless steel enclosure.



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The Arctic Chiller Group

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