

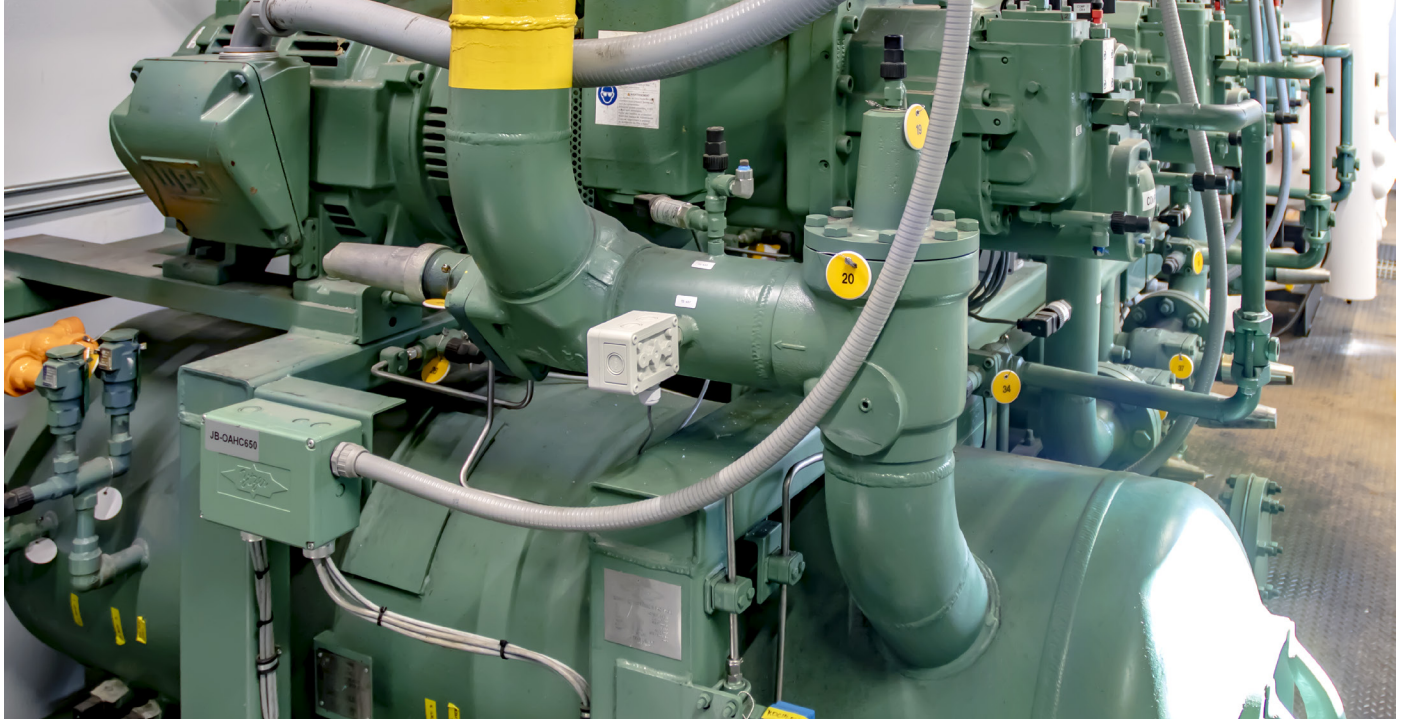


COLDLOOP™

ice arena chillers

WHERE THE RINK MEETS THE RACK

ColdLoop™ Ice Arena Chillers use a secondary coolant in a loop to connect the rink to the rack. Your rink. Our rack. And our chiller providing the cooling. The secondary coolant reduces the refrigerant charge, ultimately keeping the refrigerant at the chiller and the system safer.



Features that Save

Everybody needs energy efficiency. We offer many features that lower your monthly cost and increase system efficiency:

- ✓ Heat reclaim system: Don't waste the heat that the condenser releases. Consider a heat reclaim system to repurpose that waste heat to your snowmelt system, subfloor, and/or comfort cooling.
- ✓ Variable frequency drive (VFD): Your load requirements will vary from season to season, so your equipment does not need to run at full capacity all the time. Equip your chiller with VFDs to save energy during low load periods.
- ✓ Chiller Control System: An advanced control system monitors the operation of all chiller components, including the pumps, coolant flow, and coolant temperature. For optimal skating conditions, even the precise temperature of the ice can be measured at multiple locations. No energy is wasted, and the best ice is guaranteed.



Heat Reclaim System



Variable Frequency Drives (VFDs)



Chiller Control System

Indoor, Outdoor, or CEMC

Our chillers are customized to fit in your mechanical room or as an outdoor parallel system (OPS) in a weatherproof housing. We also build custom electrical mechanical centers (CEMCs) that are structurally sound exterior mechanical rooms, perfect for a smooth retrofit. Every configuration is designed for ease of installation and service accessibility.



OPS Weatherproof Housing



CEMC



CO₂ Chiller

CO₂

CO₂ is an exciting match for an ice arena application. Recent advances in technology make both transcritical and subcritical systems effective. CO₂ is affordable, leading to savings at installation and maintenance. Best of all, CO₂ has an ozone depletion potential (ODP) of 0 and a global warming potential (GWP) of 1, so CO₂ will not be subject to ever-changing refrigerant regulations. A CO₂ chiller is an excellent solution for years to come.

"I wanted the best product in here for the long run, not only economically but also environmentally, and that to me seemed like a no-brainer."

~ Director of Buildings & Grounds for a School District



Ammonia Chiller

Ammonia

With an ODP of 0 and a GWP of 0, ammonia has been a common refrigerant selection for ice rink chiller applications for a long time. Ammonia chiller systems are highly efficient and rugged. ColdLoop™ chillers with ammonia are built to meet the needs of the facility and are fully engineered for performance and site requirements. Our expertise in the industry carries through the design of our equipment for efficient, safe operation based on decades of ammonia experience.

"Ammonia as a refrigerant is an excellent choice. It is perfectly suited for a low-temperature chiller application: highly efficient and very reliable."

~ John Collins, PE, Zero Zone Industrial Sales Manager



Synthetic Refrigerant Chiller

Synthetic Refrigerants

Zero Zone has decades of experience designing chillers with synthetic refrigerants. These systems are recognized for their reliable performance and ease of install and application across a wide range of facilities and conditions. We are known for making these complex chillers simple to operate. Installers and owners appreciate our on-site support when our technician reviews each system and assists with controls set-up and fine tuning the settings to run reliably. Zero Zone will provide a system with the right fit for your facility while sizing it for your cooling requirements.

"Zero Zone was able to design to meet the specification. And not only that, they put the Zero Zone spin on it to make sure that not only were they building to that specification, but it delivered the energy performance that this arena was looking for."

~ CEO of a Refrigeration Installation Company



As pioneers in the industry, our reputation for quality and innovation will give you confidence in the ColdLoop™ Ice Arena Chiller. Combine that with our decades of experience and remarkable responsiveness, and your partnership with Zero Zone is a no-brainer.

“We’ve partnered with Zero Zone on many projects dating back to 20, 30, 40 years. It’s worked out really well, and they put together a very nice product for us to put in. The responsiveness of the whole team has exceeded our expectations.”

~ Owner of a Refrigeration Installation Company

Whether you are opening a new rink, remodeling, or upgrading, Zero Zone will guide you through the project seamlessly, providing personalized support from start to finish, and our state-of-the-art ColdLoop™ Ice Arena Chillers will give you the perfect ice for your skaters.

“An Olympic skater had a program here and that Olympic skater found that it was the best ice that they had skated on, and they were truly impressed with it.”

~ Director of Buildings & Grounds for a School District

“Having a quarter century of experience in ice arena applications allows us to bring value to a project beyond just the equipment. We tailor each system to our customer’s needs. That’s our strength. We have the bandwidth to support the technical requirements for various refrigerants and the specific technology that is suited to those refrigerants.”

~ John Collins, PE, Zero Zone Industrial Sales Manager

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