

CASE STUDY: Sports Stadiums



Climate Control in Hockey Arenas

WHY DO HOCKEY ARENAS HAVE PROBLEMS?

A massive sheet of ice that is trying to remain in a frozen state can become tricky. The most common problems arrive in the late spring/early summer or when warm ambient conditions are present. Many facilities face these problems because of the following scenarios: rising temperatures/high humidity outside, HVAC equipment that can not keep up with the rising conditions, and/or undersized HVAC equip for the conditions. Factor in a sold-out capacity crowd and problems worsen.

HOW DOES DEHUMIDIFICATION HELP?

Dehumidification and additional cooling helps remove excessive levels of moisture/humidity, which in turn helps the existing HVAC system to operate more efficiently.

By adding dehumidification, it lessens the load on the system, improving performance. The lower moisture helps the system keep the arena and the ice cold and dry. That's why in the winter the problems of poor ice, fogging and condensation are usually not an issue; it is already cold and dry outside.

Problem: Poor ice conditions, fogging, condensation and humidity exist throughout the arena

Concern: Poor ice conditions, excessive water on ice, 'fog' over the ice, stress on the permanent HVAC system

Solution: Temporary dehumidification and cooling equipment within the arena

Past Projects: Yale University Ice Center
New York Rangers - practice facility

During NHL Playoffs:

Boston Bruins
Detroit Red Wings
San Jose Sharks
Nashville Predators
Buffalo Sabres
Tampa Bay Lightning



(866) 379-2600

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Detroit, MI



Nashville, TN



New Haven, CT



San Jose, CA



Boston, MA

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