

Project:
Ammonia Refrigeration System

Client: Ken Houston Memorial
Agricultural Centre

Year: 2020

Solution: Ammonia refrigeration
system replacement for a
municipal ice rink



Features:

- Supply and installation of 90TR ammonia plate and frame chiller
- New insulation for surge vessel
- Level eyes in drop leg for visual indication of liquid level
- Extended liquid leg with isolation and deadman valve or oil drainage
- New 4" isolation valve in suction line
- Vertical ammonia surge drum
- Pump-out and recovery of ammonia & brine
- PLC controls
- Installation, commissioning, testing and operator training

Highlights:

-  Custom Engineered
-  Ammonia
-  Factory Tested
-  Insulation
-  Installation

Supply and installation of a 90TR ammonia plate and frame chiller to replace the aging shell and tube chiller at a municipal rink. Scope of service included installation of new ammonia chiller package, new insulation for surge vessel, level eyes in drop leg for visual indication of liquid level, extended liquid leg with isolation and deadman valve or oil drainage, new 4" isolation valve in suction line, vertical ammonia surge drum, PLC controls, cut out and removal of existing chiller vessel, pumping out and recovery of ammonia and brine as required, electrical and mechanical installation, commissioning, testing and operator training.

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