

Project:

Lifecycle upgrades of Ammonia Ice Rink System

Client: Municipality of Clarington

Year: 2020







Solution: Replacement of an ammonia refrigeration system for a municipal ice rink



Features:

- Lifecycle upgrades of 2 ice rink chillers
- Removal of the entire ammonia charge
- Rework brine return and brine supply lines in the engine room to the chiller
- Fabricate on site the brine supply and return lines
- Supply required pipe and fittings (flanges and elbows)
- Supply and install new valves on the brine lines (butterfly, drain)
- Supply and install new thermometers (supply and return)
- Re-insulate both compressor suction lines to the chiller (SM-2" thick c/w vapor barrier and PVC jacketing)

Highlights:

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

Lifecycle upgrades of two ice rink chillers and removal of the entire ammonia charge within the chilling system for two arenas. Scope of work included rework brine return and brine supply lines in the engine room to the chiller, fabricate on site the brine supply and return lines, supply required pipe and fittings (flanges and elbows), supply and install new valves on the brine lines (butterfly, drain), supply and install new thermometers (supply and return), supply and install required insulation (SM-2" thick c/w vapor barrier and PVC jacketing), re-insulate both compressor suction lines to the chiller (SM-2" thick c/w vapor barrier and PVC jacketing)