

The refrigeration machinery of an ice stadium, Teerijärvi

Teerijärven jäähalli Oy

The Teerijärvi Ice Stadium is located about 40 kilometres east of Kokkola, on the road to Jyväskylä. The ice stadium was built in 2002 by erecting a Best-Hall air-dome on a natural icefield.

In 2006 the stadium acquired artificial ice piping and a mobile container for the refrigeration machinery. Scancool supplied the overall refrigeration for the artificial skating rink, which was completed in August 2006.

Comprehensive services for ice stadiums

Scancool offers comprehensive refrigeration services on a "turn-key" basis. During several years Scancool has been the leading supplier of maintenance of artificial skating rinks in Finland, and our service also includes a 24/7 maintenance service.

Main refrigeration components:

- *Compressors:* Bitzer
- *Heat exchangers:* Alfa-Laval, Ekocoil
- *Valves:* Danfoss, Naval
- *Pumps:* Grundfos
- *Electric switchgears:* SK-Kojeisto
- *Automation:* Danfoss (Adap-Kool)

Refrigeration key figures

- ✓ Refrigeration capacity is 2 x 120 kW
 - a 2-circuit, indirect system
 - the primary refrigerant used is R404A
- ✓ A 40 % ethylene glycol solution is used as an indirect refrigerant in the cooling pipes
- ✓ Solution temperatures -6 °C / -9 °C
- ✓ Vaporization and condensation temperatures -13.5 °C / +30 °C
- ✓ Refrigeration pipework, PEM 25, 100mm/kk div.



An insulated refrigeration machinery container.(6,8 x 2,5m H=2,4m)



The refrigeration machine room from the inside.



Refrigeration engineering is completed at our plant in Kokkola. We can also carry out 1:1 capacity tests at our testing facility.

www.scancool.fi



Keeping You Cool

KOKKOLA
Yrittäjätie 6
67100 KOKKOLA
Tel. +358 207 281 868

PIETARSAARI
Havutie 3
68600 PIETARSAARI
Tel. +358 207 281 868

SEINÄJOKI
PL 376
60101 SEINÄJOKI
Tel. +358 207 281 868

TAMPERE
Pinninkatu 53 B
33100 TAMPERE
Tel. +358 207 281 868

TUUSULA
Majavantie 10
04320 TUUSULA
Tel. +358 207 281 868