

Valio Riihimäki HP-unit

Riihimäki dairy

Valio's Riihimäki dairy was started at Herajoki in 1967, and the annual output is currently 214 million litres. The most important products are milks, creams, sour milks, yoghurts and curd desserts.

Recovering waste heat from refrigeration

The 2010 installed Scancool HP291 unit recovers the waste heat generated in refrigeration and uses it to heat driving water to 60°C.



source: Valio Oy

Key figures of the HP291 unit:

- Maximum capacity of the 2-circuit heat pump: 1.1 MW
- COP 5.8
- Heat source: condensing NH3 11.5 bar
- Soft-start screw compressors
- Programmable PLC automation
- Estimated payback time: 1.4 years

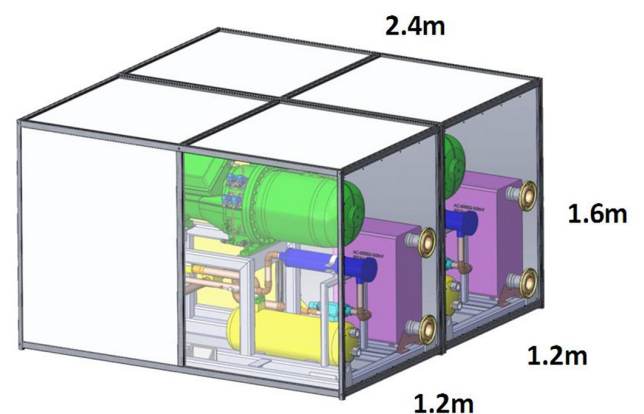
In connection with the installation, the energy economy of the entire system was optimised. As a result, refrigeration and recovery of waste heat work together more efficiently.



The HP-unit installed in Riihimäki.

Scancool heat pumps - a better choice

- ✓ Ready to be used with district heating
 - can produce 80°C water
 - thermal power 0.1 – 10 MW
- ✓ Innovative process solutions, client-specific detailed design and high-quality components guarantee optimal performance
- ✓ The module-based heat pump system can easily be extended
 - module breadth 1.2m, length 2.4m, height 1.6m
 - module thermal power 0.1 – 1 MW



Dimensions of two HP modules.

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