

Snellman Pietarsaari HP-unit

A family business in Pietarsaari

Oy Snellman Ab (turnover 148 MEUR in 2008) is a Pietarsaari-based family business which has been producing high-quality meat products since 1951. Operations include acquisition, slaughter, meat cutting and processing.

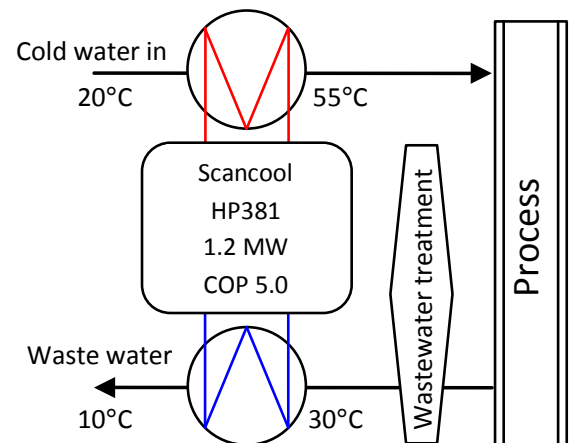
A heat pump generates energy at the rate of 13 euros/MWh

At the Snellman factory, wastewater used to be released into the municipal sewer system at 30°C. At the same time the incoming cold water was heated up to 55°C with oil. Today, after the heat pump investment, the energy recovered from the waste heat of wastewater is used to heat cold driving water to 55°C.

Key figures of the HP381 unit:

- Maximum capacity of the 3-circuit heat pump 1.2 MW
- COP 5.0
- Heat source: purified 30°C wastewater
- Semi-automatic cleaning of evaporators
- Programmable PLC automation

The Scancool HP381 unit introduced in the summer of 2007 saves 30–35 tons oil per month.



Basic concept for heat pump connection.

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



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Keeping You Cool

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