

Heat pump

Design and delivery of energy solutions is one of our core areas of expertise



Artec Aqua has core expertise in heat pumps and their installation, and we have been responsible for some of the biggest new energy systems delivered to Norwegian aquaculture facilities in recent years. Our preferred supplier of heat pumps is Therma AS, which has a well-developed service and sales network in Norway. We guarantee a well-functioning energy system with optimum energy efficiency.

- High efficiency
- Long service life
- High-quality industrial product
- Generous guarantee
- Service agreement option
- Efficiency of up to 9 times the input energy



ARTEC
AQUA

Heat pump

WE DESIGN OPTIMUM HEAT PUMP INSTALLATIONS FOR THE NORWEGIAN AQUACULTURE INDUSTRY

- In the aquaculture industry, energy is mostly obtained from wastewater exchange systems, with heat pumps boosting the energy supply. For such applications, it is essential to establish a correct balance between heat exchangers, heat pumps, pump stations and filter stations.
- All systems are constructed in accordance with the European PED Directive and are CE-labelled.
- Only natural coolants such as ammonia and CO₂ are used.
- We primarily use high-quality compressors from Mycom, which stocks a wide range of spare parts and offers product competence to customers in Norway.

Efficiency of up to 9 times the input energy

Some of our major deliveries include:

- Energy system for Sundsfjord Smolt AS, including heat exchangers and two heat pumps with a capacity of 1,300 kW for the start feed facility and two heat pumps with a capacity of approx. 230 kW for the hatchery.
- Energy system for Follasmolt AS, including heat exchangers and a heat pump with a capacity of 1,850 kW and a cooling/heating system for the hatchery, whereby even temperatures can be achieved independently in three separate loops. A total of 9 heat exchangers were installed for cooling, heating, heat recovery and pre-cooling.
- Energy system for Flatanger Settefisk, including heat exchangers and two heat pumps with a maximum capacity of 3,100 kW.
- Energy system for Forsan smolt facility, with a capacity of 4,300 kW for the smolt department and 300 kW for the hatchery.
- Energy system for NST/Aquagen, Steigen division, with heat effect of 1,300 kW and cooling effect of 430 kW.
- Energy system for Silver Seed AS, with heating effect of 1,230 kW.
- Energy system for Salmobreed AS, with heating effect of 1,400 kW and cooling effect of 700 kW.
- Energy system for Hofseth Aqua AS, with heating effect of 1,400 kW and cooling effect of 700 kW.
- Energy system for Osland Stamfisk AS, with heating effect of 1,400 kW and cooling effect of 700 kW.