

Making our world more productive

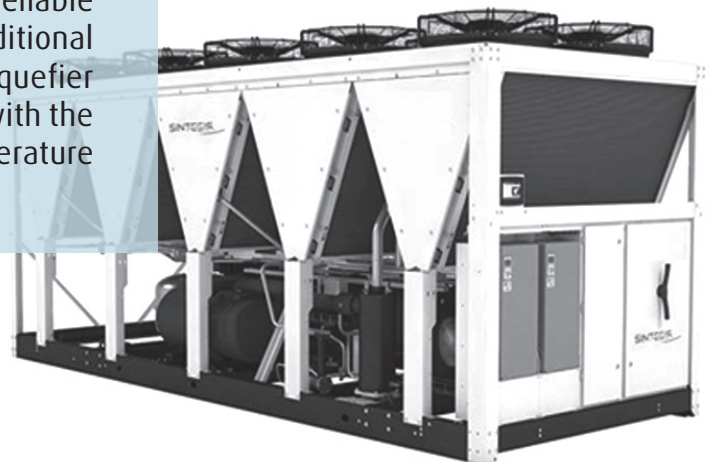


**+** additional equipment

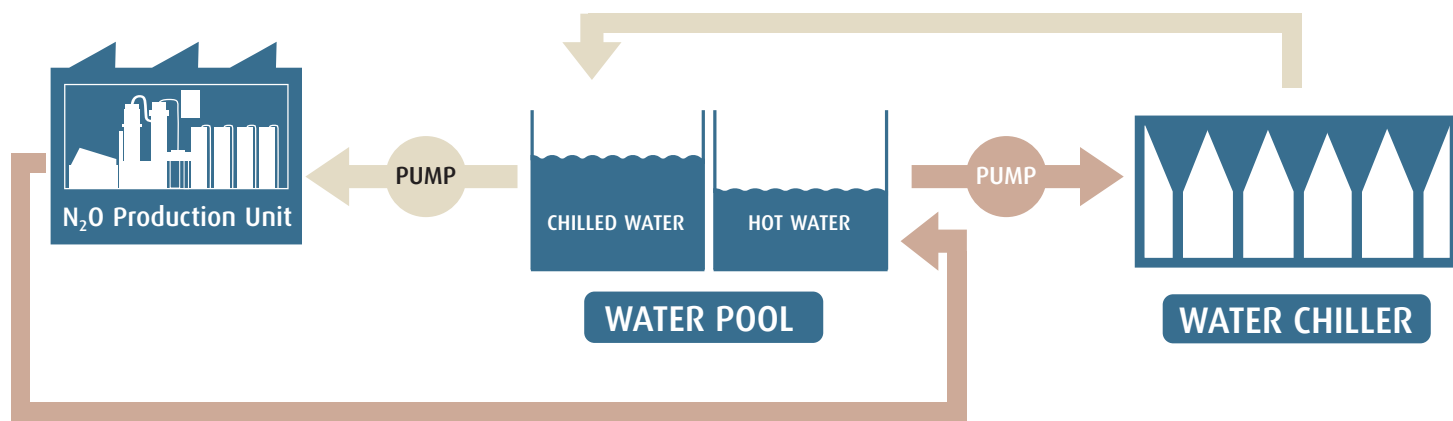
## Water Chiller Unit

### Chilled water for requirements

The Nitrous Oxide production plant requires cooling water with adequate quality and quantity for stable and reliable operation. This chilled water can be used by the additional components of the plant, such as the high-pressure liquefier or the storage tank. The capacity is designed in line with the requirements from 5...30 m<sup>3</sup>/h with max. 15°C temperature and pressure between 2...4 barg.







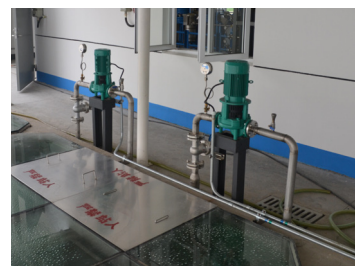
### Water Chiller

Its capacity is designed in accordance with the requirements. It is controlled by a PLC, which is separated from the plant. It has to provide only the adequate 15°C temperature.



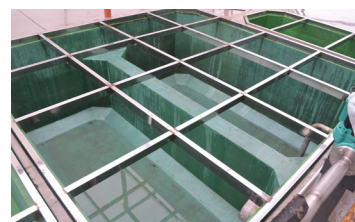
### Pumps

There are two pumps in the system. One is for the chiller unit to transfer the hot water from the pool, generally controlled by the chiller PLC. And the other one is to provide adequate 15°C cool water for the plant and its connecting components. The control of this second pump is integrated into the production unit PLC.



### Cooling water pool

The size of the pool and the chiller capacity are specifically designed for the given plant to provide the water with the required quantity and quality. It is divided up to two sides, the hot side for the used and the cold side for the chilled water.



## What can we offer?

- Turnkey solution.
- Capacity designed in accordance with the plant requirements 5...30 m<sup>3</sup>/h.
- Circulation pumps for the plant and chiller supply.
- Water pool recommendation for optimal operation.

## Why choose us?

- Fine-tuned, mature technology.
- Reliable equipment with long service life.
- For a complete system built by an experienced manufacturer.
- Integrated solution.