AIRWATERGREEN
Air Technology Sweden

INSTALLATION AT NORRMEJERIER

Reference Case Food Industry

BACKGROUND

During the production of cheese, boiling occurs in open vessels at various stages, releasing significant amounts of water vapour into the production area. This elevates the humidity levels in the air to excessive levels, leading to a deteriorated working environment and an increased risk of moisture damage to the facility.

Increasing the airflow in the ventilation system can alleviate the heightened humidity during certain times of the year, but it does not solve the problem entirely. Moreover, it can result in increased costs for regulating the air temperature.

By integrating dehumidification into the ventilation system, it is possible to control the humidity levels in the air year-round in an energy-efficient manner. Challenges associated with moisture are best managed with Airwatergreen's dehumidifiers, as they have uniquely low electricity consumption, are easy to install, and maintain high capacity even at low temperatures.

WHAT PROBLEMS DID AIRWATERGREEN'S DEHUMIDIFIERS SOLVE?

A NEXT dehumidifier is used as part of the ventilation system, allowing for the continuous introduction of dry air into the facility throughout the year. The water extracted from the air retains a high temperature and is reused in the heating system, enabling further energy savings.

This results in a more comfortable working environment and reduces the risk of mould or other moisture-related damage to the facility. Additionally, the cooling units are relieved, as it is easier to cool dry air than moist air.

The NEXT's Turbo function makes it possible to handle rapid increases in humidity during boiling, as the NEXT has a capacity that is momentarily many times higher than its nominal capacity over time.

QUICK FACTS

Product: 1 NEXT integrated to the ventilation system

Installation year: April 2024

Reason: Improve working environment and reduced risk of moisture damage and mold growth in the production premises.

BENEFITS OF USING AWGS PRODUCTS VS DOING NOTHING?

By using the NEXT, an appropriate humidity level can be maintained in the facility. This creates a good working environment and prevents moisture damage to equipment and avoids mould formation. Energy consumption has been significantly reduced compared to the desiccant dehumidifier previously used.

The NEXT is easy to install and has built-in intelligence for optimal control. Operation can be monitored remotely, and monitoring with built-in sensors makes it possible to optimise service and maintenance.

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