

INSTALLATION IN A ROCK CHAMBER - GÖTEBORG

Reference Case Properties

BAKGROUND

The facility is located in a underground rock chamber of approximately 38,000m³ where moisture penetrates into the room via the rock walls. As the facility is used for sports, it is important that the moisture is kept at an appropriate level. This is both to protect equipment and to create a good climate to be in. Ventilation is limited and the temperature is kept slightly below normal room temperature.

WHAT PROBLEMS DID AIRWATERGREEN'S DEHUMIDIFIERS SOLVE?

Airwatergreen dehumidifiers of the REX model are used to maintain a humidity level around 60% relative humidity (RH). They have been mounted on the walls to not interfere with the activities in the room.

A major advantage is the easy installation without the need for ventilation ducts since the dehumidifiers are free-blowing and the water is removed from the air directly at the machine.



QUICK FACTS

Product: 2 pc REX

Installation year: Fall 2019

Reason: Poor indoor climate for sports



We have obtained a much better environment to be in, and we avoid the "musty" smell. Everything has been working great since the commissioning!

Joakim Eriksson, Property owner

AVE YOU TRIED OTHER SIMILAR PRODUCTS/SOLUTIONS?

Previous ventilation solutions were decommissioned and a new installation was necessary.

ADVANTAGES OF USING AWG PRODUCTS VS DOING NOTHING?

In comparison with other technologies, Airwatergreen's technology was the most favourable economically from both an installation and life cycle perspective.

Since we have the dehumidifiers connected, we can now keep track of the temperature and relative humidity in the room in an easy and convenient way. We can also regulate them without having to be on site, for example, if we want to change the setting for the desired humidity level or increase the fan speed. Not dehumidifying at all was not an option as the moisture level would have been too high with the risk of condensation and mould as a consequence. It is also important to have good air quality from a health perspective as the premises will be used for sporting activities.