CASE STUDY

Munters

Dehumidification ensures ideal film storage conditions

Filminstituttet, Denmark

Films are stored in stable 5°C conditions, and 30% relative humidity. The films were previously stored in a warehouse, which had a cooling system meant to provide proper temperature and humidity. However, the relative humidity could not be kept sufficiently low and constant all year round.

The Munters solution

Since new facilities in Glostrup were being built, it was crucial that storage conditions were stable. Without Munters cooling systems, the 2.500m^3 archive room was like a refrigerator.

Now cooling and temperature are independently controlled. The dehumidifier draws air from the cooling space and dehumidifies the air passing through the dehumidifier rotor.

The air that should be dried passes through the desiccant wheel and the desiccant removes the water vapor from the air and retains the water while rotating. As the moisture-laden desiccant passes through the regeneration sector, the water vapor is transferred to a heated airstream, which is exhausted outside. This continuous process provides a highly effective, non-stop dehumidification.

Case study

- Filminstituttet storage issues solved by Munters

Advantages:

- Constant, year-round storage conditions required – no matter the weather
- Energy-efficient, electronic humidistat ensures minimal operating time
- Non-stop dehumidification provided

Would you like to find out if Munters has a solution for your company too? If so, please visit our website, www.munters.com