



INDUSTRIAL

Pulp and Paper Mills



Property Damage Restoration



Temporary Humidity Control



Property Damage Prevention



APPLICATION

Overview

Maintaining proper levels of humidity is critical within the pulp and paper industry. This is why many companies contact Munters for the rental of humidity control solutions during operation, planned shutdowns and maintenance periods. The need to maintain the quality and integrity of the paper is key to being profitable. The elimination of the threat of mould, the long term preservation of the paper in the warehouse and the reduction of paper damaged by moisture is all possible through the use of temporary moisture control systems.

Munters is able to offer two types of climate control equipment for use in the pulp and paper mills; dehumidifiers and humidifiers. Utilising a large fleet of state-of-the-art equipment, Munters is capable of removing large amounts of water vapour from areas that are prone to high humidity. Munters is able to lower the moisture load in the facility and protect premium paper rolls from moisture gain or damage. Providing a lower humidity within the plant also provides additional benefits by preventing costly corrosion and electronics failures to machinery, which can regularly occur during extended downtime.

During periods of extremely cold temperatures when the ambient air is extremely dry, maintaining the correct humidity levels can prove challenging. Munters temporary humidification equipment can be installed during these periods to stabilise the evaporation of moisture from within the plant. This ensures that proper moisture levels are maintained to help prevent the paper stock from shrinking or curling.



Maintaining the right level of humidity can be a challenge.



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PROCEDURE

In order to ensure that the equipment is tailored specifically to each environment, the following information is necessary:

- Size of the room
- Ventilation rate
- Moisture load from product
- Heat load from equipment
- Make up of the room material
- Infiltration rate
- Site logistics
- Power availability.

Only when this information is compiled and analysed can the suitable equipment be selected. Munters personnel can then engineer the equipment for specific applications to meet the desired specifications and to avoid contamination.

Munters technicians' service and check the equipment, ducting and ancillary items prior to site delivery. The equipment is then placed in a designated area, positioned close to a power supply and set up to maximize the safe operation of the unit.

Munters' state-of-the-art desiccant dehumidification systems are utilised to deep dry the ambient air in the facility which ensures that the moisture sensitive products being manufactured are processed within an optimum environment. Munters provides a turnkey solution with well engineered equipment, offering an around the clock service that is unmatched in the industry.

RESULTS

Munters experienced and highly trained staff can consult customers on the best solutions for their facilities needs. This technology ensures that the owner receives only the equipment required to meet the project specifications while maximising efficiency and guaranteeing the highest possible results. The use of a dehumidification system at a facility is a simple and effective way to combat humidity problems. The result is higher productivity, reduced production costs, less down time and higher product quality.



Maintaining optimum humidity can protect both product and equipment.



Humidity control all year round.

BENEFITS

- Considerable energy cost savings, incorporating environmentally-friendly technology
- Controlled humidity providing superior product quality
- Fast-response helping to avoid costly business interruption
- Consistent and dependable dry air enabling consistent planning
- The opportunity to trial prior to purchase
- A rental proposition that allows the customer to only use the equipment when it is actually required.