

Dry air preserves valuable books by Carl Von Linne

In the basement of the public library in Växjö, Sweden, 2 minor rooms house important replicas and original works of the world famous swedish botanist Carl von Linné.

Carl von Linné is the father of modern taxonomy as he laid the foundations for the modern scheme of binominal nomenclature. During studies in Sweden and abroad he collected and classified plants, animals and minerals, publishing the first edition of the important work *Systema Naturae* in 1738.

In Växjö, where Linné went to school, the public library is today exhibiting a part of his most important works. An important collection of his books and a genuine diary is archived in the basement. Two minor rooms are protected like a safe and conditioned in accordance with the recommendations from the National Archives of Sweden, namely keeping a temperature at 18°C ($\pm 2^\circ\text{C}$) and a relative humidity of 30-40 %RH (± 5 %RH) around the year.

At these conditions the irreplaceable books are protected against the damages related to high and fluctuating humidity, that has already been aggressive to the more than 200 year old fragile paper documents and leather bindings.

A Munters ML Plus system supplies the conditioned air into the two rooms. As the ML Plus system offers the advantage of combining pre- and post air treatment modules, only one unit was necessary to install. In addition to the desiccant rotor for dehumidification, the system contains both post cooler, post heater and a humidifier for cold winter days.

Installed in the basement, the ML Plus was also designed with an air chilled condensor from where the removed water from the process air is let to a drain.

An elegant all-in-one unit that fully lives up to creating the optimal climate for delicate artifacts, that will now be protected for years to come without further deterioration.

Archiving of valuables



Advantages:

- Optimal storage climate for fragile paper documents
- Constant year round climate
- No deterioration of ancient books
- Only one unit for both dehumidification and humidification
- Compact footprint
- Hygienic casing
- Minimise energy consumption

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