



Case Study: AB Cernelle, Sweden

ServiceCaire® agreement

Benefits:

- Dehumidifier maintained for optimal performance
- Minimised risk of break-downs
- Focus on energy savings and updates to optimise operation
- Upgrade of dehumidification solution saves up to 75% energy

ServiceCaire® agreement grants optimal operation and energy savings

Swedish AB Cernelle is the founder of superior pollen extracts for medical treatment. Started in 1953, the company had a vision that purified extracts of pollen would be of value to improve human health.

Methods were created for collection and process of pollen in large scale in order to develop active pharmaceutical ingredients, Cernitin pollen extracts.

Today Cernelle is passionately committed to developing and delivering cernitin pollen extracts drugs for effective relief of lower urinary tract symptoms caused by benign prostate abnormalities, such as prostate hyperplasia, chronic prostatitis and pelvic pain syndrome.

Cernitol, Cernitol Novum, Cernilton are registered pharmaceutical drugs based

on Cernelle's unique and superior pollen extracts. The product Cernilton is used as first line treatment in Japan today. Over 200 million tablets were sold in Europe and Asia during 2015.

Cernelle has dedicated facilities for pollen extraction and dry pharmaceutical production of tablets, capsules and powder. The company is certified by the Swedish Medical Product Agency. Since March 2005 the company is a subsidiary of Backhill AB.

Spray drying of pollen

At Cernelle the spray drying of pollen extract has always been performed with dry air from a Munters desiccant dehumidifier type MX2100. Over the years the dehumidifier's electrical parts started to suffer from the content of sugar dust in the air close to the spray drier. Furthermore the control system of the dehumidifier started to become outdated.

Munters Service always cares

For years Cernelle has had a ServiceCaire® agreement with Munters, including an annual preventive maintenance visit. During these visits the dehumidifier has been inspected and wear-and-tear parts replaced. As an integrated part of the agreement, Munters constantly evaluates the condition and performance of the equipment and modification of the MX dehumidifier has been made to optimise its performance.

Recently it became apparent that replacing the MX dehumidifier with a modern and more energy efficient



Ted Johansson and Munters service technician Roger Johansson next to the new ML23 dehumidifier.



The spray tower in which 13 tons of pollen powder is produced annually by means of dry air from a Munters desiccant dehumidifier.

dehumidifier would be beneficial, and Munters prepared a recommendation to Cernelle to improve both performance and energy efficiency.

Modern and energy efficient

A desiccant dehumidifier type ML23 was installed, but in a small room next to the spray drier to avoid the negative impact from the sugar dust. The ML23 is a modern dehumidifier that offers numerous advanced features as standard including an integrated PLC unit that displays over 10 alarm indicators, an operating time counter, as well as an optional remote control. At Cernelle a remote display has been placed in a central control room. From here, both read-outs and changes to settings can easily be carried out. The dehumidifier also has integrated heat recovery, making it extremely energy efficient.

Energy savings up to 75%

Following installation of the new ML23 dehumidifier, Cernelle has realised huge benefits. Not only is the remote operation of the unit so much easier, but energy costs have been reduced by up to 75%. When no dehumidification is needed, the new ML23 system can run in ventilation mode only. This feature minimises running costs and was not possible with the former MX dehumidifier.

Ted Johansson, responsible for technique and maintenance at Cernelle, highly appreciates the benefits of the ServiceCaire® agreement. He leaves the maintenance to Munters and is granted both best possible operation of the system and also advises on possible energy saving options. With the new solution he benefits from even more stable climate conditions and of course he also welcomes the financial advantages of the more modern and up-to-date dehumidifier.

Read more at www.munters.com/service

Read more about Munters' ML series at www.munters.com/ML

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