



MARKET LEADING COMMERCIAL AND DOMESTIC VENTILATION WITH HEAT RECOVERY



Nilan CTS 6000

Online control and monitoring
of Nilan industrial units



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The VPM 600-3200 series

Renews up to 35,000 m³/h (at 500 Pa)
Temperature efficiency up to 98%



The VPL 31-125 series

Renews up to 12,000 m³/h (at 400 Pa)
Temperature efficiency up to 85%

CTS 6000 enables control and monitoring of Nilan industrial units online using a computer located anywhere in the world. CTS 6000 has been designed to meet future requirements for increased economy optimisation of ventilation units as well as detailed customisation for any building.

Control

Ideal control of ventilation units takes for granted simple and user-friendly operation of the most important functions. By using a weekly or annual programme units can be set for automatic operation to allow for the setting of operating times, room temperature, ventilation speeds, alarms, etc. The weekly programme can be customised, and extended operation is possible beyond the weekly programme's operating periods. When the unit's functions and weekly programme have been set, the unit will run automatically without any further need for setting or control. The annual programme enables the setting of programme points for public holidays when the unit will not be operating. If several units are installed, this function can also be managed centrally. By using graphic history diagrams it is possible to collect information about the unit's operation and subsequent adjustment and optimisation. The automatic and intelligent controls mean optimisation of the ventilation unit's operating economy and ensure a comfortable indoor climate.

Monitoring

With CTS 6000 the Nilan ventilation unit can be monitored over the Internet from a PC located anywhere in the world. The unit can also be hooked up to the building's internal network or it can be used on its own dedicated Internet connection. Current operation can be followed by using trend diagrams. CTS 6000 ensures optimum monitoring of the unit's operating status as all forms of operational failures, alarms and maintenance messages are sent automatically by e-mail to the right users. This means that immediate action can be taken in the event of operational failure, but also that optimum maintenance and service visit planning can be carried out. CTS 6000 also provides the company's service partners with the option of remote control and diagnosis of any faults.



On-site control panel

Nilan CTS 6000 is a newly designed and tested control and monitoring programme. With CTS 6000 Nilan industrial units can be controlled either online over the Internet or on-site using a control panel. CTS 6000 also provides the option of registering and reporting back on error messages from the controls by e-mail.

Ventilation promotes performance in the workplace



Function

- Online control and monitoring programme for Nilan industrial units
- Control and monitoring using a PC
- Automatic control using weekly or annual programmes
- Setting of temperature controls, night cooling, pressure limits, alarms, fan speeds, etc.
- Graphic history diagrams for temperature, air volume, heating and cooling requirements
- Trend diagrams showing the unit's current operating status
- Automatic alarm messages on operating status, errors and maintenance by e-mail
- Connection to room regulators and frequency transformers
- Option of customising user interface for different user levels

Advantages

- Nilan industrial units can be controlled and monitored from anywhere in the world
- Detailed customisation of the indoor climate to the specific requirements of the building is ensured by using a weekly or annual programme
- The automatic and intelligent controls ensure optimisation of the operating economy
- History diagrams make it possible to optimise operation and the indoor climate
- Fast diagnosis of any operational failures or faults mean quick rectification
- Improved option of remote support and planned service visits
- User-friendly operation as user interface can be customised to personal preferences

About indoor climate

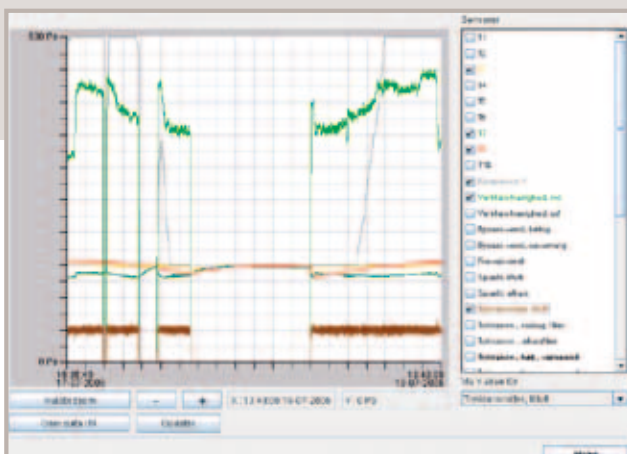
The Danish Working Environment Authority says:

"A poor indoor climate in the workplace can and must be prevented. Rules, norms and standards have been set out for indoor climate conditions. A poor indoor climate can result in e.g. feeling unwell, irritated mucous membranes, headache and fatigue among employees. These are symptoms that reduce employees' quality of life and increase their absence due to illness."

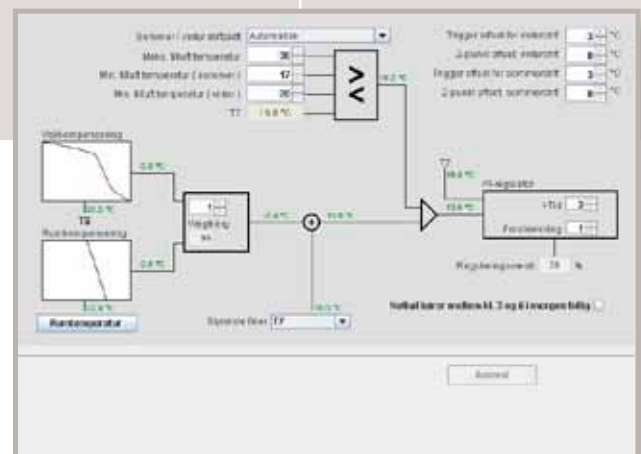
DTU, Centre for Indoor Climate:

"Research results document that the learning capacity of schoolchildren increases by up to 15% when the indoor climate is right."

Source: PressPort >>Danvak A/S<< Children learn more easily in a good indoor climate.



Online analysis of the unit's historical operating data



Online unit control and adjustment

About Nilan

Nilan A/S was set up in 1974 as a natural consequence of the oil crisis. As we started to insulate and seal our buildings to save energy, a need arose for good and healthy indoor climate solutions.

This became the foundation of what is now Nilan A/S – one of the world's leading ventilation and heat pump technology companies. We are represented in all the Scandinavian countries, Germany, Austria, Switzerland, The Netherlands, Belgium, Great Britain, Czech Republic, Slovakia, France, Italy and North America either through our subsidiaries or dealers.

At the cutting edge of developments

Climate change and the world's excessive use of energy are at the top of the global agenda. Nilan is at the cutting edge of these developments and has manufactured heat pumps and ventilation systems for passive houses and low energy construction all over the world for many years. Our production uses state-of-the-art technology and is based on a sustainable approach focusing on the use of green materials, recycling and minimising waste.



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