A perfect climate and real energy savings

systemair

Greater energy efficiency – Ready for the lunch-time rush

We're creatures of habit, especially when hunger strikes. So when lunch guests arrive *en masse*, timer-control of ventilation is an ideal strategy to adopt. What's more, EC-Vent timer-programming makes it simple to set up a weekly ventilation control scheme. Other sensors, e.g. CO_2, can also be connected to really boost ventilation when demand is greatest.

NEW!

EC-Vent raises energy efficiency and indoor comfort to new levels

Systemair's new EC-Vent greatly simplifies demand-controlled change of ventilation. EC-Vent is an intelligent controller that effectively varies ventilation speed based on input from multiple sensors. By controlling high-efficiency, EC-driven exhaust and/or supply fans, as well as other ventilation system components, it promotes new levels of comfort and energy use in a wide variety of environments.

For HVAC consultants and installers looking to raise energy efficiency ever higher, EC-Vent is very welcome news!

Greater energy efficiency – Fresh air always in fashion

Store-owners naturally want their sales floors packed with shoppers, but that's not always the case. The simplest way to adapt ventilation fans (and the energy they consume) to actual occupancy levels is via CO_2 sensors connected to EC-Vent. Heating costs also fall since less fresh air needs to be warmed, and customers enjoy a pleasant atmosphere that's conducive to shopping.

Versatility for both new-build and renovation

EC-Vent controls the degree of ventilation in buildings to meet different levels of occupancy as detected by sensors located within the areas to be ventilated. The result is an indoor climate that always matches building use and occupation.
EC-Vent comprises a control unit located near the fan plus a remote room unit.

- **Control and room units ready for different sensors, e.g. CO_2, temperature, humidity**
- **Room unit has built-in CO_2 and temperature sensors**
- **Possibility to program a weekly schedule**
- **Built-in transformer with 24V feed to sensors, dampers, etc.**
- **User-friendly menu**

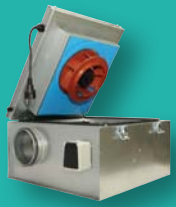
In combination with energy-efficient EC-driven fans, EC-Vent offers an intelligent yet easy-to-install climate solution for new buildings as well as renovation projects.

Greater energy efficiency – Comfortable levels of humidity

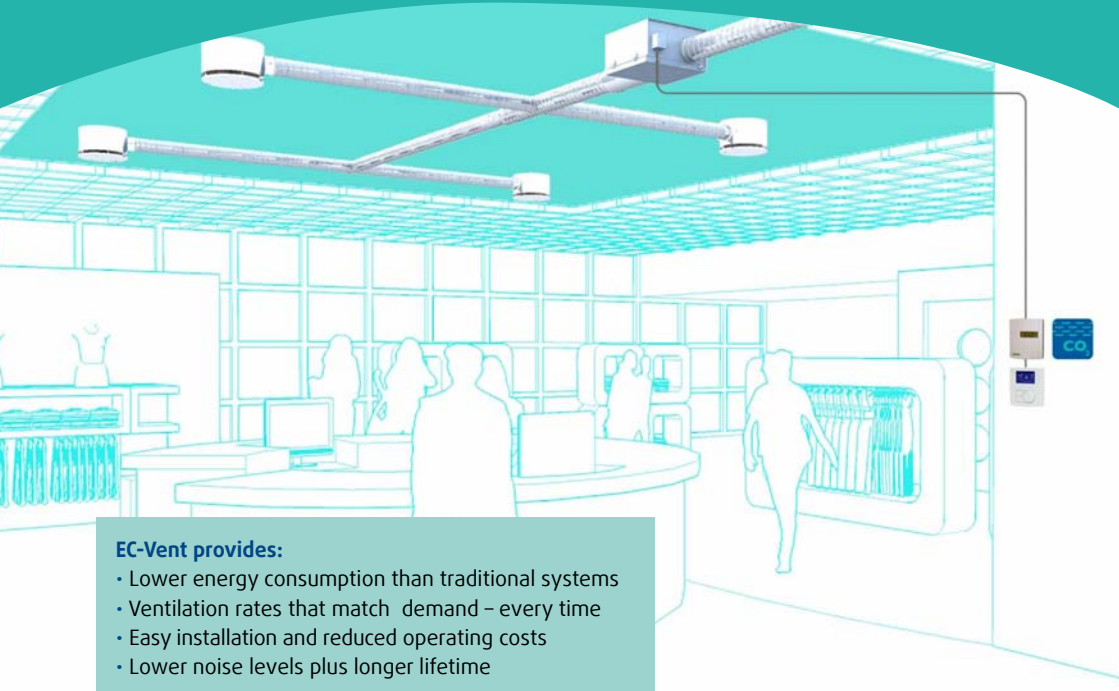
Shower rooms can experience very sudden and dramatic changes in humidity. Direct ventilation control exercised by EC-Vent via humidistat sensors ensures that this never reaches excessive levels. That's comforting news for those who use the shower room as well as for those who maintain it.

EC-Vent in action

EC-Vent responds instantly to the exact ventilation needs of any room. Sensor inputs perfectly match ventilation rate to the prevailing conditions, quickly achieving the desired indoor air quality while using as little energy as possible.



KVKE EC – EC-driven fan.



EC-Vent provides:

- Lower energy consumption than traditional systems
- Ventilation rates that match demand – every time
- Easy installation and reduced operating costs
- Lower noise levels plus longer lifetime

Greater energy efficiency – Activity levels set ventilation rate

Whether you train individually or are more of a team player, both your performance and the result you achieve improve with good quality air. As activity levels vary according to training and match schedules, EC-Vent driven control of fan speed via CO_2 and temperature sensors delivers effective ventilation when it's needed and saves energy costs when it's not.

See how much you can save!

K-EC | KVKE-EC | TFSK-EC / TFSR-EC | DVC | KBT | MUB-EC

EC-Vent ventilation rates perfectly match the levels required, which achieves the desired indoor air quality while using as little energy as possible. Savings comprise less energy consumed (since fan speed mirrors actual demand rather than continuous high-speed running) plus the even bigger gains won by having less air to heat.

Potential energy savings for two EC-Vent controlled extraction systems are shown below. Both are based on the average year-round temperature for London and a desired supply temperature of 21°C. They compare 2-speed ventilation (50% of time at the higher rate and 50% at the lower) with continuous, high-speed ventilation.

K 200: 50% high speed (480 m^3/h), 50% low (240 m^3/h)

Potential saving
- 3,700 kWh/year

MUB 042 450 EC-A2-K: 50% high speed (3,600 m^3/h), 50% low (2,100 m^3/h)

Potential saving
- 22,000 kWh/year

Products that meet Systemair's 'high energy-efficiency' classification are marked with the Green Ventilation symbol.

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Systemair's new EC-Vent is an intelligent control unit that promotes new levels of comfort and energy efficiency by adapting fan speed to ventilation demand via remote-sensor input.

Request more information today or visit

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