

Optimum comfort all year round

Natural air exchange with smart automation

Although a modern, air-tight building reduces energy consumption, it also prevents natural air exchange. Comfortable indoor ventilation is the modern and sustainable answer here. It offers a healthy, comfortable and energy-efficient alternative to opening windows and provides a constant supply of fresh, clean air.



Ideal indoor climate all year round – thanks to ventilation with humidity recovery

On cold winter days in particular, the air inside a room can often be too dry. As well as causing irritation, this can even lead to health problems. In summer, the relatively humid air feels warmer than it actually is.

Humidity recovery is the ideal solution. Comfortable indoor ventilation systems from Zehnder with an optional integrated enthalpy exchanger create an ideal indoor climate thanks to both heat recovery and humidity recovery. Enjoy optimum indoor air for enhanced well-being – in summer and in winter. And even save energy at the same time.

Flexible retrofitting at any time

If you are already benefiting from comfortable indoor ventilation from Zehnder, you have the option of adding humidity recovery at a later stage. The Zehnder enthalpy exchanger can be integrated into your Zehnder ventilation system at any time.



Contact us.

888-778-6701
info@zehnderamerica.com



Built to last

As the only washable enthalpy exchanger on the market, it's robust, durable and easy to maintain.

With Zehnder, you can make the perfect choice for an ideal indoor climate every time. Comfortable indoor ventilation systems from Zehnder offer maximum comfort, enhance well-being through constant indoor air quality and reduce costs by saving precious energy.

Come and see for yourself. At www.zehnderamerica.com, you can find further important information about our indoor climate solutions.



always the best climate

90% of our lives are spent indoors.

Always the best climate for

HEALTH & WELL-BEING

Enjoy the best possible indoor air quality all year round. Comfortable indoor ventilation with humidity recovery from Zehnder.



Ventilation
Humidity recovery
Comfortable climate

Why compromise on your personal environment?

The fresh air on a forest walk is wonderful, but you don't find this air quality everywhere. In indoor spaces, many people don't pay enough attention to the quality of the air. Yet it's the indoor climate that is so essential to our health and well-being. So for personal well-being, it's important to ensure high indoor air quality. One easy way to do this is with an indoor ventilation system with humidity recovery from Zehnder.



Stricter building regulations are resulting in more air-tight rooms, which dramatically reduces the supply of fresh air and air quality inside a room.



We spend 90% of our time indoors, whether for exercise, work or relaxation at home.



Energy costs are rising all the time. But there are smart ways to save money...



Changes in the climate result in extreme temperatures – but this doesn't need to affect the quality of your indoor air.

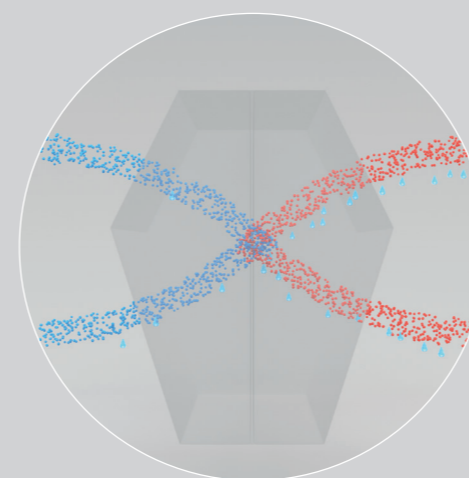
How does humidity recovery work?

Comfortable indoor ventilation systems with an enthalpy exchanger from Zehnder recover up to 80% of heat and up to 70% of humidity. This retains warmth and humidity indoors in winter while ensuring that you still get an adequate supply of fresh air. In summer, heat and humidity are removed from the warm, humid outside air before the fresh air enters the house. This energy-efficient process prevents

excessive dryness in winter and excessive humidity in summer. Zehnder's patented polymer membrane functions as a separating layer between the airflows. It also prevents impurities from being transferred from the extract air to the supply air.

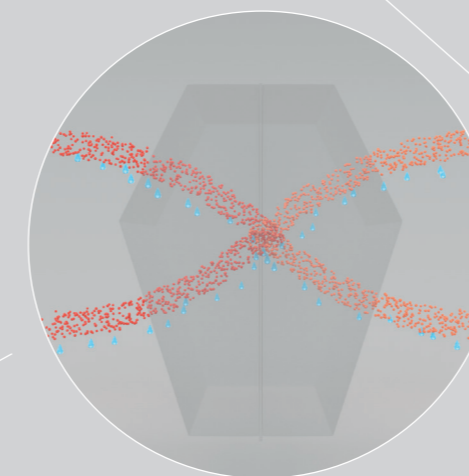
Comfortable moisture is preserved in the winter

Warmth and humidity are recovered and retained within the room.



Humidity is avoided in the summer

Warmth and humidity are removed from outdoor air before it enters the house.



Unique, patented membrane

Acts as a separating layer between the airflows and ensures that only water vapour is transferred between the two airflows that come into contact with the membrane.



Optimum comfort and improved indoor air quality

Humidity recovery reduces excessively dry air in the winter and excessively warm and humid air in the summer, creating the best possible indoor air for enhanced comfort and well-being.



Good for your health

A constant high indoor air quality and relative humidity in a comfortable range offer health benefits.



Reduce energy costs

Heat recovery and humidity recovery have a high level of energy efficiency. In the winter, the activation of a pre-heater only becomes necessary at lower temperatures and in the summer, the costs of air conditioning are reduced.



A good investment in your home

A constant humidity level prevents cracks in sensitive materials such as wood flooring and extends their lifetime.

