LUFITAT

zehnder
always the best climate

Always the best climate for

THE WELL-BEING OF YOUR CUSTOMERS

Impressive results with humidity recovery

Optimum comfort means satisfied customers

The Zehnder enthalpy exchanger creates a comfortable indoor climate and high indoor air quality thanks to thanks to both heat and humidity recovery.

It prevents excessively dry air in the winter and tempers the cold outdoor air. Hygienically perfect operation is guaranteed by the integrated, patented polymer membrane. This membrane is impermeable to mould spores and microbes of all kinds. Humidity recovery ensures frost-free permanent operation – even at outside temperatures of less than 0 °C. The use of pre-heaters or frost protection strategies is only required at extreme outside temperatures of around -6 °C. This means the enthalpy exchanger delivers even more energy efficiency while maintaining the same filtered air supply. It also removes the need for a condensate drain under normal conditions, which allows flexible planning and installation. This enables you to offer your customers maximum comfort while also helping them to save money.

Convincing

Optimum indoor air quality in both winter and summer, while energy savings provide complete customer satisfaction.

Energy-efficient and reliable

With humidity recovery, frost protection is only necessary when the temperature drops to around -6 °C. The frost-resistant membrane is extremely robust.

More planning flexibility

More flexible planning and installation, as there is no need for a condensate drain under normal conditions.

Unique in terms of maintenance and hygiene

The patented membrane prevents the transfer of spores and bacteria. The enthalpy exchanger is easy to clean with water.

Guide: 4 good reasons to recommend an enthalpy exchanger

Enhanced comfort through optimum indoor air quality

Humidity recovery reduces dryness in winter and humidity in summer, giving your customers the best possible indoor air for enhanced comfort and well-being. A constant high indoor air quality and relative humidity in a comfortable range also offer health benefits. This solution provides all-round customer satisfaction.

Satisfied customers thanks to easy, energy-efficient operation

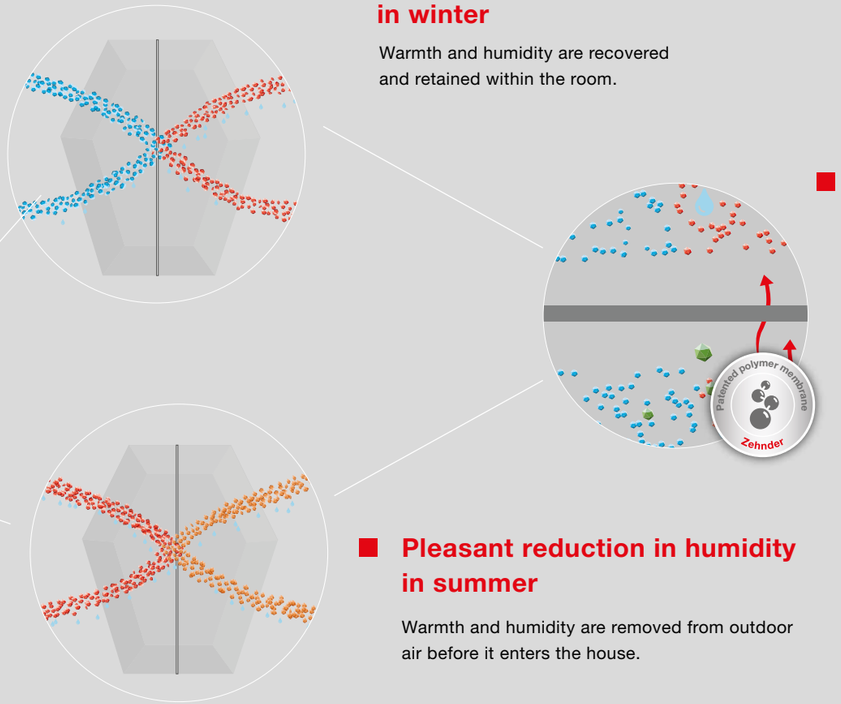
The transfer of water vapour lowers the condensation point in the enthalpy exchanger. The use of pre-heaters or frost protection is only necessary at extreme outside temperatures of around -6 °C and below, which means more energy efficiency without compromising on comfort due to a reduced air supply. Your customers will benefit from maximum comfort while saving on energy costs.

Increased durability of the building fabric

A constant humidity level prevents cracks in sensitive materials such as wood flooring and extends their lifetime. Your customers are sure to thank you.

More cost efficiency

Condensate-free operation under normal conditions means there is no need for a condensate drain. This saves your customers money.



At a glance

Efficiency

- High efficiency with up to 80% heat recovery and up to 70% humidity recovery
- Optimum flow characteristics and low pressure loss ensure efficient operation
- The humidity recovery means it is only necessary to introduce frost protection or activate a pre-heater when the temperature drops to -6 °C, which means high energy efficiency

Hygiene & simple maintenance

- The Zehnder enthalpy exchanger can be removed in a few simple steps and is easy to clean with water
- The patented polymer membrane prevents the transfer of spores and bacteria.
- Thanks to the design and patented membrane, only minimal maintenance is required

Safety

- Long service life for maximum peace of mind
- Reliability thanks to consistent performance
- Robust, frost-resistant membrane

Flexible & easy to retrofit

- Zehnder enthalpy exchangers can be easily retrofitted at any time
- Directly replaces Zehnder standard heat exchanger
- More flexibility in planning and installation, as there is no need for a condensate drain under normal conditions

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With Zehnder, you can make the perfect choice for your customers every time – for the ideal indoor climate. Comfortable indoor ventilation systems from Zehnder offer maximum comfort, enhance well-being through constant indoor air quality and reduce costs by saving precious energy. The result? All-round customer satisfaction.

Come and see for yourself. At **www.international.zehnder-systems.com**, you can find further important information about our indoor climate solutions.

LUFITAT CENTRAL VENTILATORS & AIR-FILTERS TRADING CO. LLC

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