

Hoval

Hoval Viskan Condensation Heat Exchanger

Energy recovery for central air handling units
without humidification or mechanical cooling.

Outstanding efficiency | Low operating costs | Comprehensive range of models



Condensation rotor
for humidity recovery
in the event of condensation

Hoval Viskan Condensation Heat Exchanger

In detail.

The Viskan is our rotary heat exchanger in the affordable condensation segment.

The storage mass made of special aluminium foil makes it possible to achieve high temperature efficiency levels. Humidity gets only transferred during the winter when extract air condenses in the heat exchanger.

This makes the Viskan ideal for ventilation systems and high-end central air handling units without humidification or mechanical cooling.

Added value for your benefit:

■ Outstanding efficiency

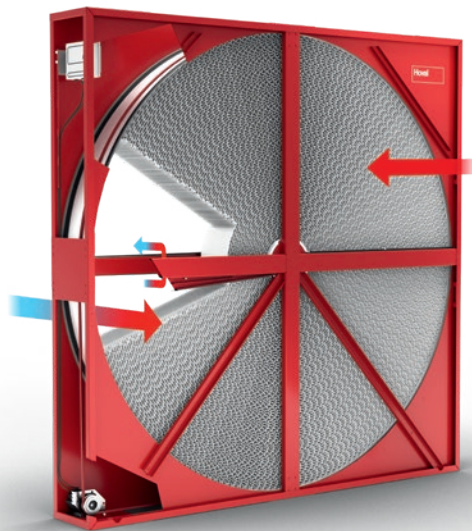
The Viskan is designed for above-average heat recovery. This also ensures high air quality alongside the low pressure drop.

■ Low operating costs

The effective heat transmission and highly efficient stepper motors reduce operating costs to a minimum.

■ Comprehensive range of models

All aspects of the Viskan series have been newly developed and the series covers a wide efficiency range. It is suitable for all kinds of applications with a large portfolio of sizes and wave heights.



Viskan: High efficiency and low pressure drop with a wide range of models available.

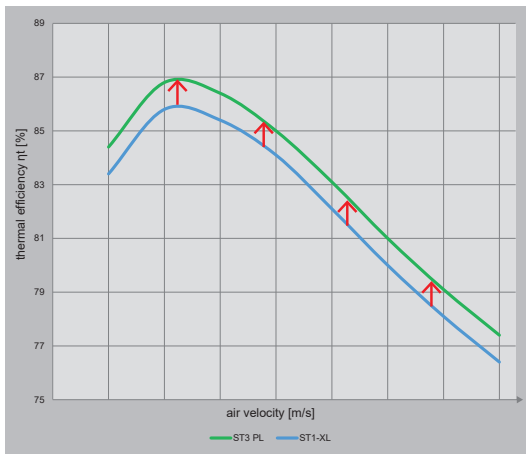
100% reliable, certified data:



Technical data	
Heat recovery efficiency (dry)	max. 87 %
Humidity efficiency (in the winter))	max. 61 %
Wheel diameter (one-piece)	up to 2600 mm
Pressure drop (one-piece)	max. 300 Pa
Pressure difference (supply air / extract air)	max. 1000 Pa

Subject to modifications

Ask for advice today: Tel. +423 399 2400 | info.klimatechnik@hoval.com | www.hoval-energyrecovery.com.



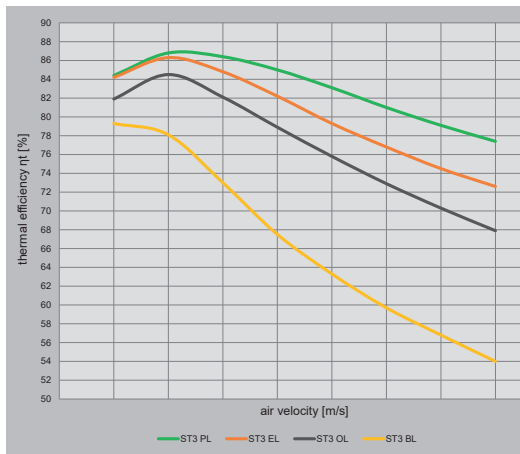
With the Premium wave height, the Viskan ST3 even exceeds the high efficiency of the proven ST1 condensation heat exchanger with wave height X.

Outstanding efficiency with a low pressure drop

The Viskan ST3 rotary heat exchanger was developed on the basis of our proven ST1 rotor.

The new, more stable casing is equipped with more efficient Modbus-enabled motors. The new storage mass also ensures improved efficiency with an optimised aluminium foil, while the pressure drop remains at a low level.

With its high efficiency, the new Viskan ST3 is suitable not only for standard applications but also for high-end central air handling units.



The new Viskan ST3: The comprehensive range of models covers a wide efficiency range.

Comprehensive range of models with a broad efficiency range

When developing the Viskan ST3, one of the main focuses for our engineers was a wide efficiency range. This resulted in the creation of a complete series: a large portfolio of models in diameters of 500–2600 mm with 4 additional wave heights available – perfect for any application.

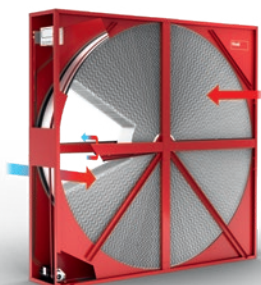
The Viskan ST3 meets ErP requirements, which means that it can be used unrestricted in all applications without humidification or mechanical cooling.

For even greater performance: the 250 mm wheel depth

Other high-performance variants are available with a wheel depth of 250 mm for even greater performance requirements.

This offers outstanding efficiency in terms of energy recovery while maintaining a low pressure drop:

- Enhanced heat and humidity recovery
- Up to 20% lower pressure drop (compared to the standard version)
- Reduced dimensions of the AHU



For additional applications: Hoval plate heat exchangers

- Crossflow and counterflow heat exchangers
- Air flow rates of 200–100 000 m³/h
- For air handling units, air duct systems and process technology
- Known and proven Hoval quality



Hoval energy recovery. You can count on us.

As a specialist for energy recovery systems, Hoval is your reliable partner with decades of experience in the industry. Hoval develops and produces components for heat, cold and moisture recovery for today and tomorrow. The systems are used in ventilation systems and in process technology. You can be sure to save both energy and costs while protecting the environment.

Hoval is one of the leading international companies for energy recovery systems, which are exported worldwide.

Hoval takes its responsibility for the environment seriously. Energy efficiency is at the heart of what we develop.

Responsibility for energy and environment

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