

Viskan

Condensation heat exchanger

Energy recovery for central air conditioning systems without humidification or mechanical cooling.

- Outstanding efficiency
- Low operating costs
- Comprehensive range of models



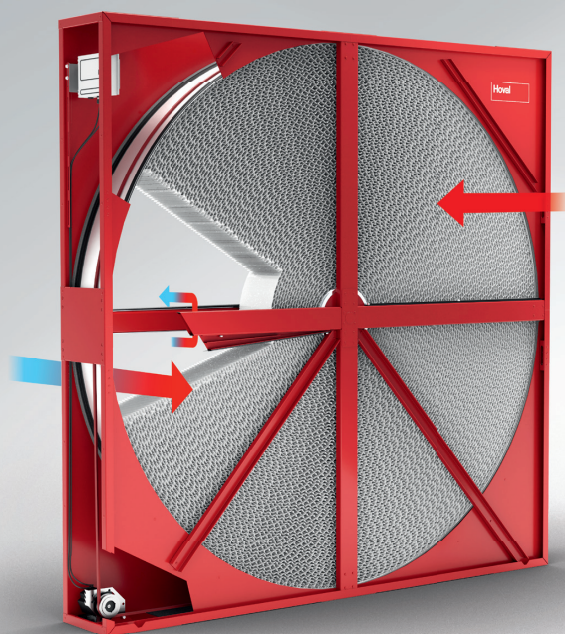
Condensation rotor
for humidity recovery
in the event of condensation

Hoval | Responsibility for energy and environment

Hoval

Viskan

In detail.



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

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

The storage mass made from special aluminium foil makes it possible to achieve high temperature efficiency levels. Humidity is 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 conditioning units without humidification or mechanical cooling.

Outstanding efficiency

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

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 broad efficiency range. With a full portfolio of sizes and wave heights, it is suitable for all kinds of applications.

100% reliable, certified data:



Viskan: Technical data

Heat recovery efficiency (dry)	max. 87%
Humidity efficiency (in the winter)	max. 61%
Wheel diameter	up to 4200 mm
Pressure drop (one-piece / sectorised)	max. 300/400 Pa
Pressure difference (supply air / extract air)	max. 1000 Pa

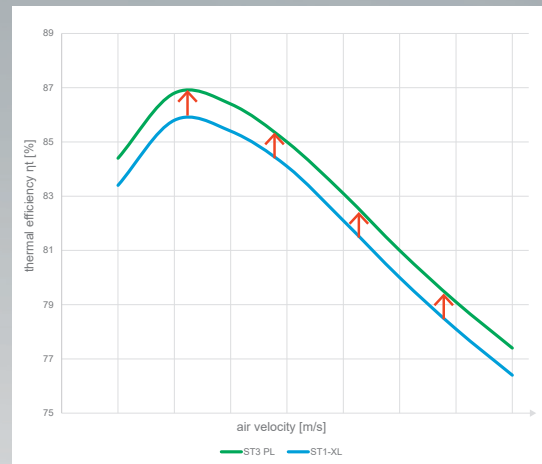
Subject to modifications

Outstanding efficiency with a low pressure drop

The Viskan ST3 rotary heat exchanger was developed on the basis of our tried-and-tested 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 conditioning units.

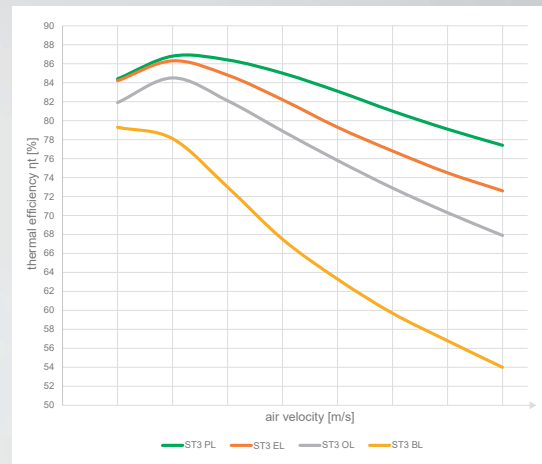


With the Premium wave height, the Viskan ST3 even exceeds the high efficiency of the tried-and-tested ST1 condensation heat exchanger with wave height X.

Comprehensive range of models with a broad efficiency range

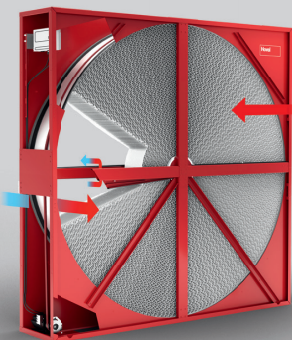
When developing the Viskan ST3, one of the main focuses for our engineers was a broad efficiency range. This resulted in the creation of a complete series: a full portfolio of models in diameters of 500–4200 mm with 4 additional wave heights available – perfect for any application.

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



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

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



For even greater performance: the 250 mm wheel depth

For even greater performance requirements, other high-performance variants are available with a wheel depth of 250 mm. 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 ventilation centres, air duct systems and process technology
- Tried-and-tested Hoval quality



Hoval energy recovery

You can count on us.

As a specialist for energy recovery systems, Hoval is your experienced 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.

We take our responsibility for the environment seriously. Energy efficiency is at the heart of what we develop.

Responsibility for energy and environment



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