

Hoval

Hoval Krivan crossflow plate heat exchanger

ErP-compliant with up to
20% higher air flow rate.

Higher air flow rate | ErP-compliant | Extremely stable

Also as a 4-block
solution
with up to
100 000 m³/h



Krivan:
up to 20% higher air flow rate –
fully ErP-compliant.

Krivan crossflow plate heat exchanger

In detail.

No other crossflow plate heat exchanger is as efficient as the Krivan. Developed specifically to meet requirements for ErP compliance, it provides the best ratio on the market between high thermal efficiency and low pressure drop.

The addition of the 4-block solutions means that the market leader can now even be used with air flow rates of up to 100 000 m³/h. Its unique stability ensures a constantly low pressure drop for **energy-saving operation**.

As with all of our plate heat exchangers, the **clever plug and play concept** helps to ensure easy planning and assembly: with identical dimensions, the Krivan is the ideal replacement for or supplement to the tried-and-tested S heat exchanger.

Added value for you:

Up to 20% higher air flow rate

Increases in air flow rates of up to 20% are possible without compromising on efficiency. This means that smaller heat exchangers can be used. Drive power consumption can be decreased and/or air flow rates can be increased within the same dimensions.

ErP-compliant

All versions and sizes in the Krivan range are ErP-compliant. They meet the requirements of Ecodesign 1253/2014 without any changes to the design of the air handling unit.

Supreme differential pressure stability up to 2500 Pa

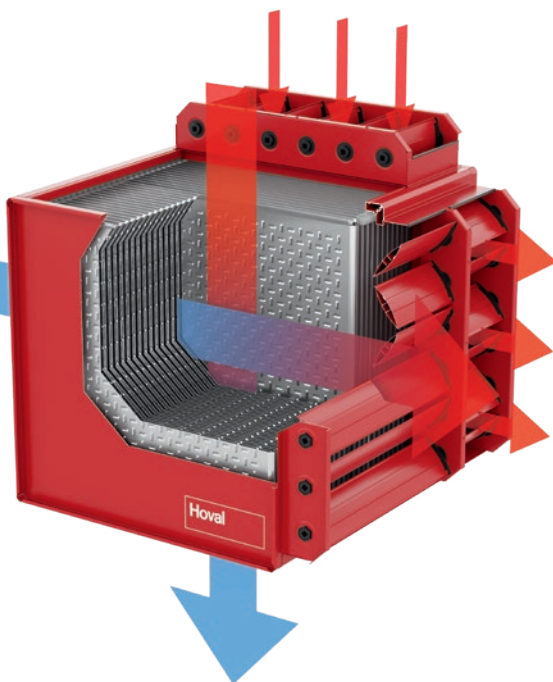
This means that both pressure drops and running costs are kept consistently low under all conditions.

Simple design with plug and play

With identical dimensions, the Krivan can easily replace or supplement the tried-and-tested S heat exchanger.



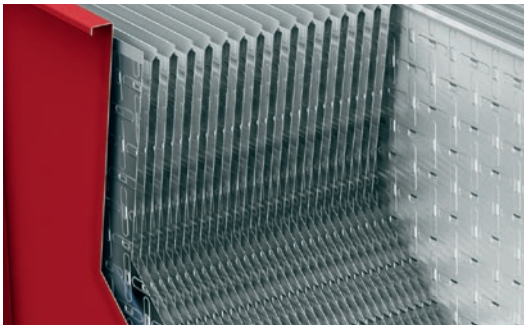
The Krivan 4-block solution is capable of air flow rates up to 100 000 m³/h. Its outstanding efficiency and supreme stability remain uncompromised.



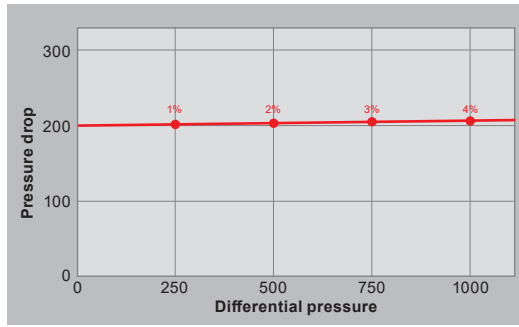
Technical data	
Heat recovery efficiency (dry)	>73%
Air flow rate (higher rates available on request)	200–100 000 m ³ /h
Differential pressure stability	max. 2500 Pa
Package width	up to 4100 mm

100% reliable, certified data:





Optimised profile depth and plate distance ensure maximum efficiency.



Supreme differential pressure stability.

Higher air flow rates

The Krivan was developed for maximum performance. Profile depth and plate distance were optimised in extensive test series for each plate size. The result is a perfect ratio between high heat transfer and low pressure drop.

This means that less fan power is required throughout the year, leading in turn to **reduced running costs**.

Alternatively, the Krivan can be selected in a **smaller width** compared to the conventional S heat exchanger – without compromising on performance.

ErP-compliant

The Krivan was developed specifically to meet the requirements of the ErP directive. All versions and sizes are compatible for use with ventilation and air conditioning units meeting the requirements of Ecodesign 1253/2004 without any changes to their design and construction.

Supreme differential pressure stability up to 2500 Pa

The Krivan's heat exchanger plates have not just been optimised for greater efficiency. The special profile design also gives the Krivan supreme differential pressure stability.

The plates are only subject to minimal deformation even when they are exposed to high differential pressure. This means that pressure drops are kept consistently low and the fans require less drive power, leading to **low running costs all year round**.

Simple design with plug and play

It goes without saying that the Krivan is available in a ready-to-install format complete with all attachment parts.

The crucial factor, however, is the **design advantage**: with the same dimensions as the tried-and-tested S heat exchanger, it can easily replace or supplement this heat exchanger in existing constructions.

For even greater heat recovery efficiency: Hoval counterflow plate heat exchanger

- Numerous designs for a broad range of requirements
- Heat recovery efficiency: up to 84%
- Air flow rates: 200–24 000 m³/h
- Package widths: 200–2850 mm
- For ventilation and air conditioning units
- Tried-and-tested Hoval quality



For additional applications: Hoval rotary heat exchangers

- Condensation, enthalpy or sorption heat exchangers
- Diameter: 500–4200 mm
- Air flow rates: 200–150 000 m³/h
- For ventilation systems, comfort ventilation 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 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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