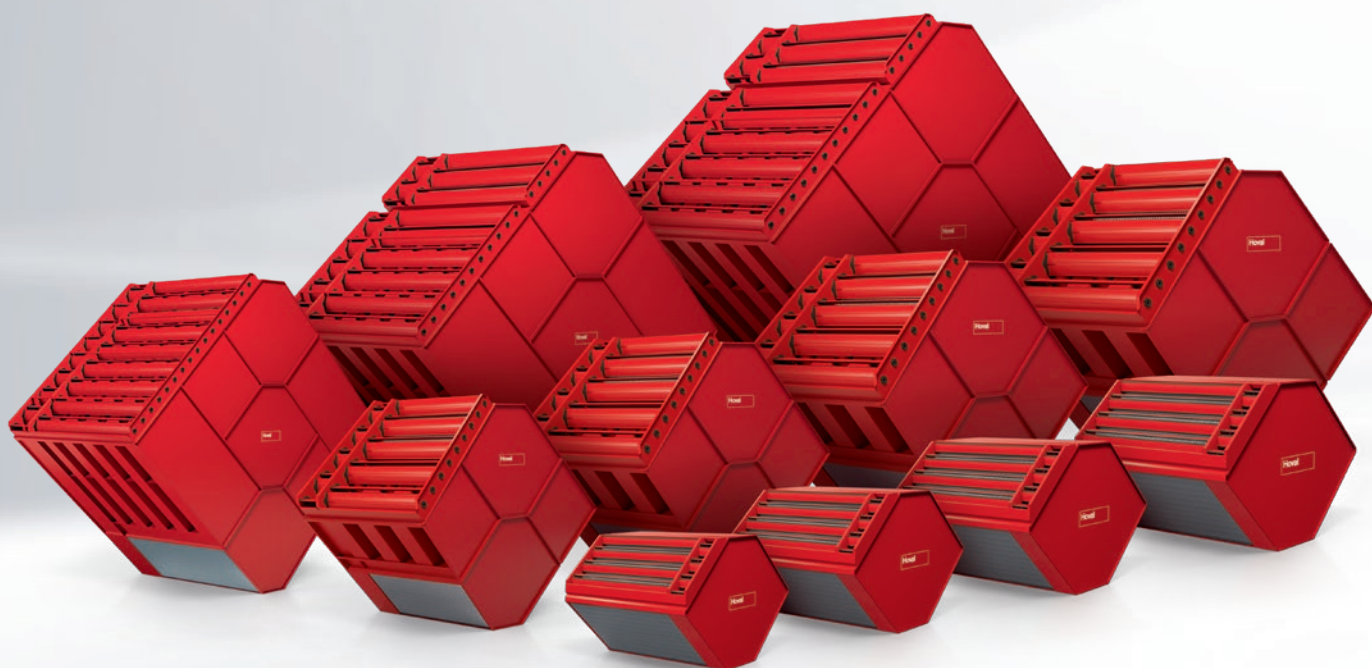


Hoval

The Future is Now

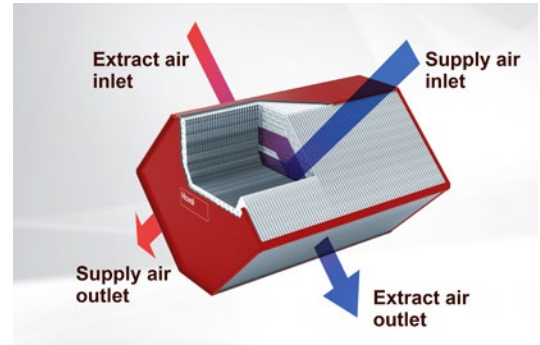
Gotthard Plate Heat Exchanger

Efficient | Variable | Simple



Gotthard Plate Heat Exchanger

The future air handling units require energy recovery systems with high efficiency, low pressure drops and high stability, that are easy to install. Therefore, Hoval has developed the Gotthard plate heat exchanger. A cross- and counterflow plate heat exchanger that meets all these requirements.

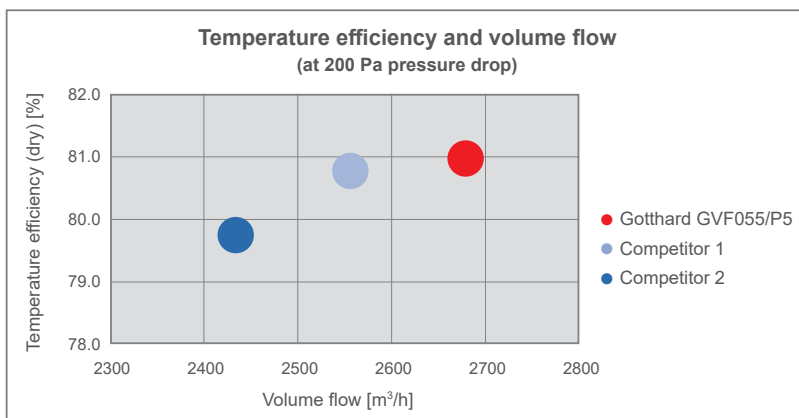


Best and most reliable performance data through leading technology

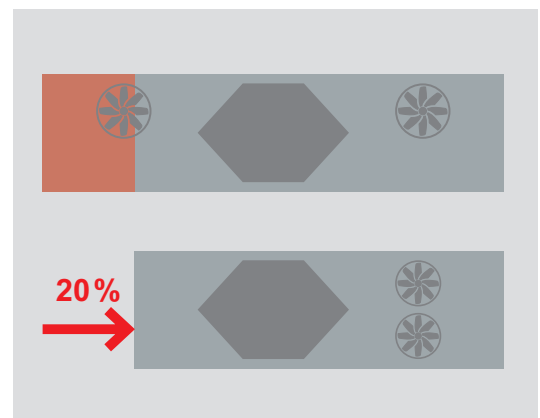
The Gotthard plate heat exchanger achieves outstanding heat recovery rates with minimal pressure drop thanks to its optimised plate geometry – regardless of the fan arrangement. The pressure drop remains stable at varying differential pressures even under demanding operating conditions, thus increasing the flexibility in fan positioning. There is no cross contamination – no exhaust air leaking into the supply air thanks to the tight seal. The intelligent software enables precise design and a customized CO₂ footprint calculation.

In brief:

- Best efficiency with minimal pressure drops
- Highest differential pressure stability for variable fan arrangements and shorter AHU
- Tightest heat exchanger; no exhaust air flowing into supply air
- Optimal bypass width thanks to intelligent calculation
- Software with a customised CO₂ footprint calculation



Performance values of the Gotthard GVF055/P5 compared to the competitor



Space saving – up to 20 % shorter AHU



100% reliable, certified data:

The largest possible performance range thanks to intelligent combination

Gotthard is available in three performance classes in order to meet future requirements. Intelligent combinations are possible thanks to the identical external dimensions of the heat exchangers.

The three performance classes are:

P1 with temperature efficiency 74 %

P3 with temperature efficiency 77 %

P5 with temperature efficiency 81 %

The Gotthard efficiently and reliably achieves volume flows of up to 100 000 m³/h. This makes it ideal for both standard and bespoke air handling units. The design software allows precise configuration of the Gotthard in 1 mm increments up to a width of 4800 mm. This ensures maximum planning freedom while maintaining consistent quality.

In brief:

- Ideal efficiency classes and their intelligent combination with identical external dimensions
- Suitable for flow rates up to 100 000 m³/h
- Variable width available in 1 mm increments up to 4800 mm

Technical data	
Temperature efficiency (dry)	74–81 %
Air flow rate	200–100 000 m ³ /h
Differential pressure stability	Max. 2000 Pa
Package width	Up to 4800 mm

* All values without condensation at pressure drop 200 Pa and mass flow ration of 1.0

Simplest Installation – Plug & Play

The robust construction and sophisticated component integration make the Gotthard the ideal solution for easy installation. Pre-assembled dampers and an integrated bypass enable time-saving and cost-optimized installation – even for large ventilation units. Modular or as a complete system: the Gotthard adapts to your needs. The smart damper technology saves space and reduces pressure drops. Everything is easily selectable in the CASER selection software and is delivered fully pre-assembled. This saves up to 80 % of installation time – for a true plug & play experience.

In brief:

- Easy installation into AHU thanks to its robust construction
- Integrated bypass with dampers for cost-optimised integration into AHU
- Supplied as individual exchangers or in modules as required for easy installation



Smart space-saving damper design

Hoval energy recovery. You can count on us.

Hoval

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

Hoval Aktiengesellschaft

Austrasse 70

9490 Vaduz

Liechtenstein

Tel. +423 399 27 53

info.er@hoval.com

www.hoval-energyrecovery.com

