

# Gotthard

## Counterflow plate heat exchanger

For compact AHUs and systems in project business contexts

Efficient

Stable

Compact with plug and play

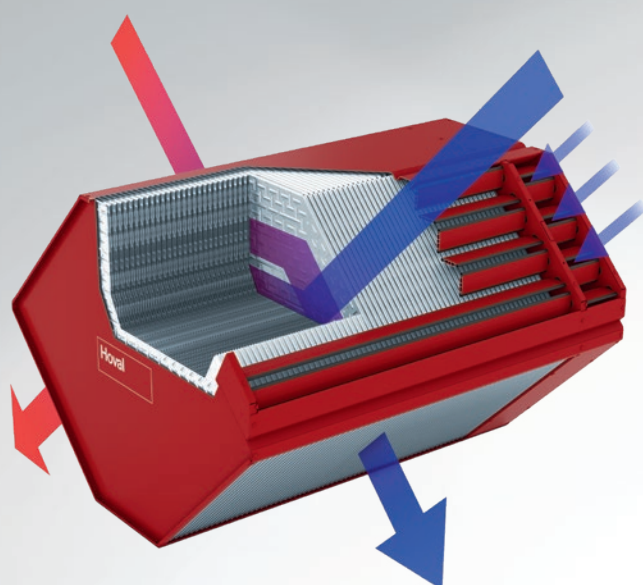


Compact and quick to install:  
available with matching bypass and  
control dampers.

# Hoval

# Gotthard

In detail.



**The Gotthard is our compact plate heat exchanger using a counterflow principle.**

As is the case with all our plate heat exchangers, it ensures a low pressure drop for **energy-saving operation**. Its unique **stability and the clever plug and play concept** enable smaller, more compact AHUs that are quick to install.

For larger widths, a middle bypass can also be realised.

In this way, it is equally well-suited to compact AHUs and to large systems in project business contexts.

## Efficient

The pressure drop remains low even in the case of high heat recovery efficiency values. This reduces the required fan power, which in turn lowers the energy costs required for operation all year round.

## Stability for flexible fan positioning

The unique differential pressure stability up to 2000 Pa enables shorter AHUs due to flexible fan positioning.

## Compact with plug and play

The compact plug and play units are supplied complete with matching control dampers, bypass and adapters, reducing the installation time by up to 80%.

100% reliable, certified data:



## Gotthard: Technical data

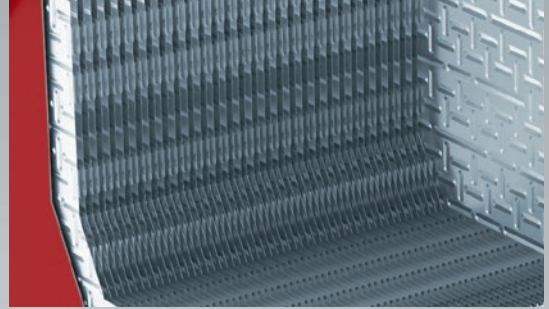
|                                 |                 |
|---------------------------------|-----------------|
| Heat recovery efficiency (dry)  | 73–84%          |
| Air flow rate                   | 200–24,000 m³/h |
| Differential pressure stability | max. 2000 Pa    |
| Package width                   | up to 2850 mm   |

### Energy savings through reduced fan power

The drive power for the fans makes up a significant proportion of the running costs for AHUs.

For the Gotthard, we developed a special profile with optimised distances between the heat exchanger plates. The **pressure drop is substantially reduced** while the **level of heat transfer remains extremely high**.

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

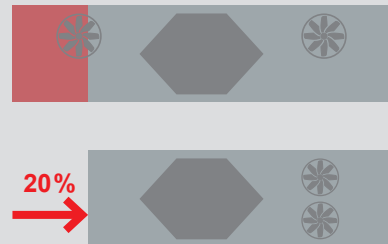


Special profiling and optimised plate distances for a low pressure drop help to keep running costs to a minimum.

### Up to 20% shorter AHUs

Double fold connections make the Gotthard both **exceptionally tight as well as supremely stable**, meaning it is perfectly suited to high pressure differences up to 2000 Pa.

This provides the designer with a great deal of flexibility when it comes to positioning the fans. For instance, the fans can be placed on top of each other without any problems caused by loss of pressure or leakages, meaning that AHUs can be **up to 20% shorter**.



Up to 20% shorter AHUs due to the high differential pressure stability.

### Quick to install and compact

All Hoval plate heat exchangers are available ex works as ready-to-install plug and play units with matching attachment parts. The bypass, control dampers and adapters fit perfectly with the heat exchanger and no longer need to be acquired separately, which in turn offers numerous benefits:

- Up to 80% quicker installation
- Optimal airflow through 100% matching attachment parts with no disturbing edges
- Compact heat exchangers with minimal dimensions



Gotthard: Compact plug and play units with perfectly matched attachment parts.

**Ask for advice today:** Tel. +423 399 2400 | [info.klimatechnik@hoval.com](mailto:info.klimatechnik@hoval.com) | [www.hoval-energyrecovery.com](http://www.hoval-energyrecovery.com).

### For higher air flow rates: Hoval crossflow plate heat exchangers



- Numerous designs for a broad range of requirements
- Heat recovery efficiency: up to 80%
- Air flow rates: 200–100,000 m³/h
- Package width: 200–4100 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 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



Hoval Aktiengesellschaft  
Austrasse 70  
9490 Vaduz  
Liechtenstein  
Tel. +423 399 24 00  
Fax +423 399 27 31  
info.klimatechnik@hoval.com  
www.hoval-energyrecovery.com

Hoval Ltd.  
Northgate, Newark  
Nottinghamshire  
NG24 1JN  
United Kingdom  
Tel. +44 1636 672 711  
Fax +44 1636 673 532  
heatrecovery@hoval.co.uk  
www.hoval-energyrecovery.com

Hoval AB  
Hedenstorpsvägen 4  
555 93 Jönköping  
Sweden  
Tel. +46 36 375660  
Fax +46 36 375668  
info.se@hoval.com  
www.hoval-energyrecovery.com

Hoval Oriental Beijing Heating  
Tech Co., Ltd  
Rm.1408 Guangming Hotel  
Liangmaqiao Road Chaoyang  
District  
100125 Beijing  
P.R. China  
Tel: +86 10 646 36 878  
Fax: +86 10 646 42 270  
info@hoval.com.cn  
www.hoval.com.cn

Hoval Aktiengesellschaft | Austrasse 70 | 9490 Vaduz | [hova-energyrecovery.com](http://hova-energyrecovery.com)

# Hoval