



# H2

**THE PROMISE  
THE PROOF  
HEATEX**

AIR-TO-AIR HEAT EXCHANGERS

**HEATEX**

## **PLATE HEAT EXCHANGERS**

Heatex offers a broad range of plate heat exchangers in different sizes spanning applications from ventilation (and other heat recovery) to thermal management, wind and renewables. Plate heat exchangers are often the preferred choice thanks to their strong aluminum plates in high standard alloy which gives the products a very long lifetime. And with no moving parts, the maintenance and service costs can be kept to a minimum.

The Heatex production concept, the double sealing concept with gluing and a mechanically fold, ensures airtight heat exchangers having low cross-contamination and therefore supplying high indoor air quality.



## THE PROMISE: H2 IS THE PREFERRED CHOICE

Building on over 50 years experience producing plate heat exchangers, the H2 is the result of Heatex' drive to push the boundaries of heat transfer and deliver the best heat exchanger on the market. The H2 is the result of dedicated research and development and extensive laboratory and field testing.

Developed in close collaboration with our customers, the H2 is designed to both current and future market and regulatory demands. Increased performance, lower pressure drop and a smaller footprint make the H2 the superior option for energy recovery.

## THE PROOF: H2 KNOCKS OUT THE COMPETITION

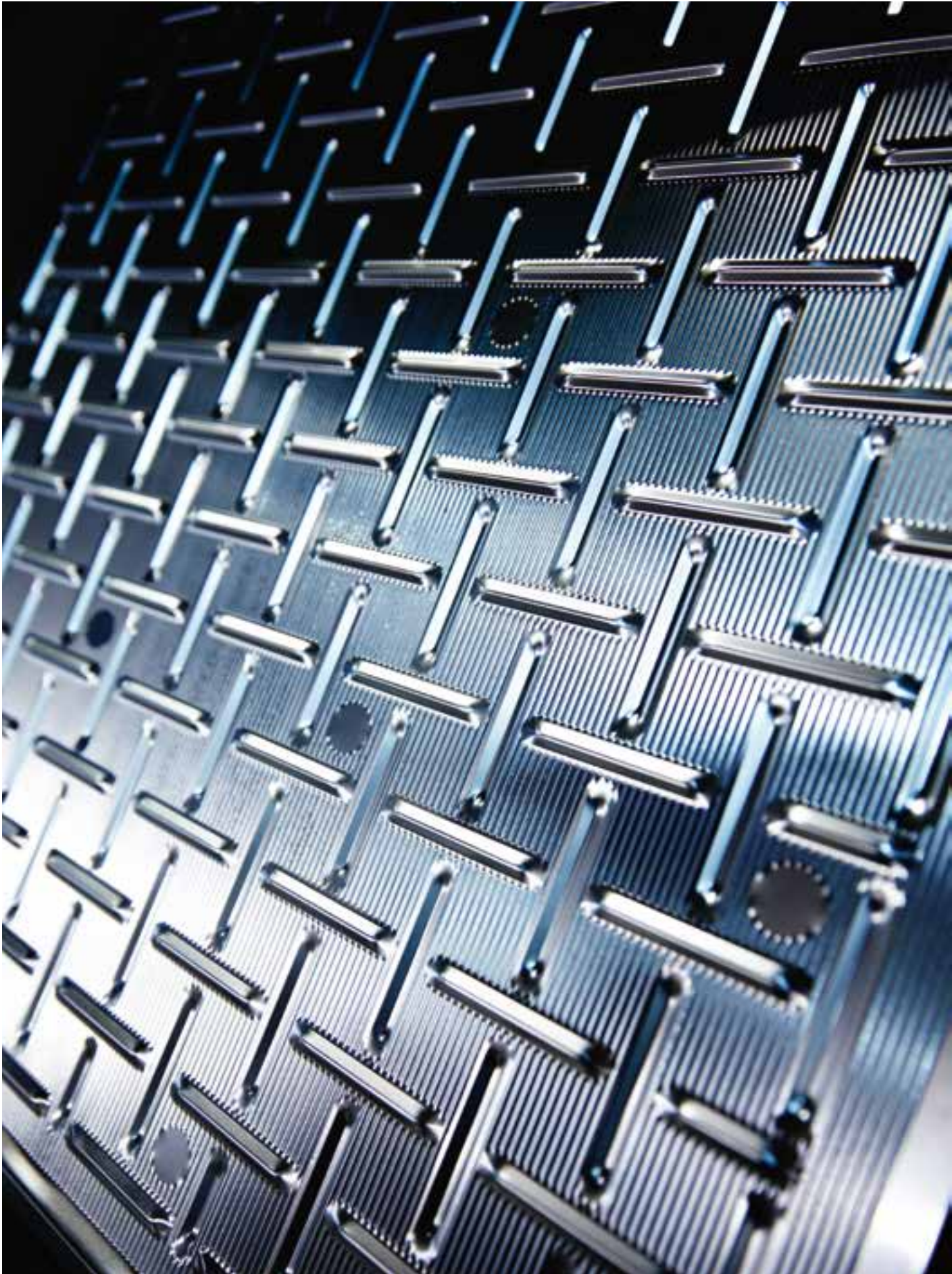
Model H2 is our most efficient cross flow plate heat exchanger. It combines low-weight with high differential pressure resistance and is able to reach typical dry temperature efficiencies above 80%. The efficiency is improved by its slim profiles and our latest patented plate design, creating high turbulence even at lower velocities while keeping pressure drop low.

Model H2 is certified according to Eurovent, AHRI, ILH and TüvSüd and most configurations comply with the Ecodesign Lot 6 requirements.

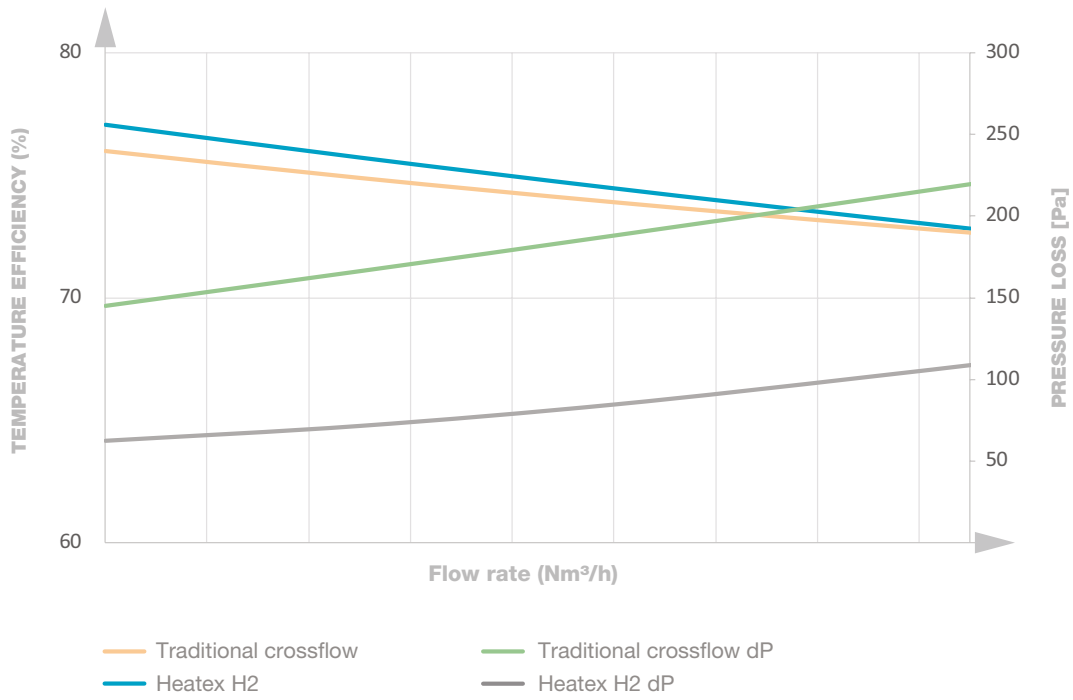
Some of the H2's features include:

- **ADVANCED SURFACE PATTERN**  
Leads to increased turbulence and heat transfer.
- **SLIMLINE FRAMES**  
Reduced frame profile enables the larger plate surface and increased efficiency.
- **OPTIMIZED BAR SPACERS**  
Optimized towards lower pressure loss, higher efficiency and increased mechanical stability.
- **IMPROVED TIGHTNESS**  
Lower cross contamination ensures improved indoor air quality.
- **COMPACT DESIGN**  
Leads to an overall reduction in AHU design.
- **LOW PRESSURE LOSS**  
Reduced fan power requirement, increasing overall AHU efficiency.
- **HIGH DIFFERENTIAL PRESSURE**  
Allows heat exchanger implementation across a wide variety of challenging applications.
- **HIGH EFFICIENCY**  
Increased system thermal performance.

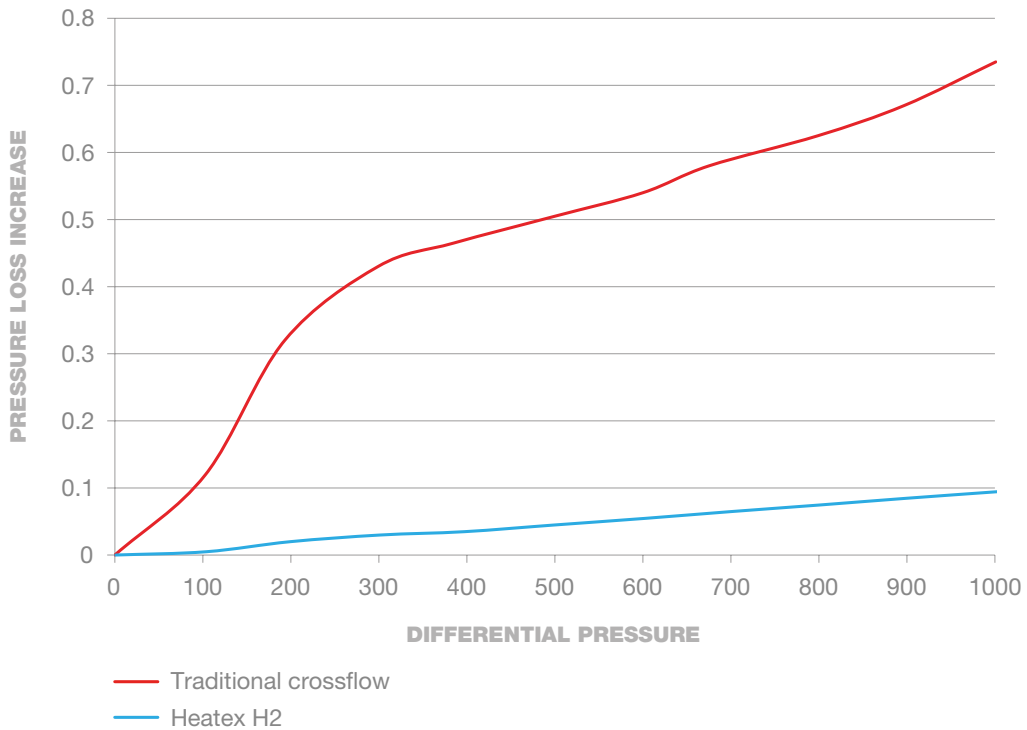




**DIFFERENCE IN PRESSURE LOSS AND TEMPERATURE EFFICIENCY FOR THE SAME PLATE DISTANCE**



**DIFFERENCE IN DIFFERENTIAL PRESSURE RESISTANCE**



## SPECIFICATIONS

### COMBINED MODULE SIZE:

- 23.62" - 118.1"

### PLATE SIZE:

- 19.69" / 23.62" / 27.56" / 29.53" / 33.46" / 39.37" / 47.24"

### PLATE MATERIAL:

- Aluminum
- Epoxy coated aluminium (improved corrosion protection)

### GABLES:

- Aluzinc
- Aluminium

### CORNER PROFILES:

- Aluminium 90°
- Aluminium 45°

### MAXIMUM ALLOWED TEMPERATURE AND SEALING:

- 190°F - Silicone free
- 390°F - Silicone
- 464°F - Silicone

### MAXIMUM LEAKAGE (AT 400 PA DIFF. PRESSURE):

- 0.1% of nominal air flow
- 1% of nominal airflow with silicone sealant

### MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:

- 7.23" WC - 12" WC, depending on plate spacing
- > 12" WC for plate spacing above 0.16" WC
- For H2 1200/2400:  
6" WC - 7.23" WC for plate spacing 0.08" - 0.12"  
> 12" WC for plate spacing above 0.16"

## THE PROMISE:

With Heatex as the leader of air to air heat transfer, you will have the best possible partner for your heat transfer challenges.

## THE PROOF:

With a global team of sales and technical support, Heatex responds quickly to inquiries with an optimized solution for your application.

All Heatex products are custom made and designed to match the customer's technical specifications.

We have a well-established reputation of being honest, reliable and hold several certifications for product and operation quality worldwide, including Eurovent, AHRI, GOST, RLT-Hygiene and ISO 9001.

Our products are field tested and proven to have high efficiency and a fast ROI.

## HEATEX SELECT

Heatex Select, our calculation software, is always available online for free at [heatex.com](http://heatex.com).

It enables accurate calculations of product performance under different conditions.



ILH BERLIN



Heatex is a global manufacturer of air-to-air heat exchangers. The company was founded in the 60's, and incorporated into Heatex AB in 1987.

The company uses advanced algorithms to design and improve its products. These are based on scientific calculations within thermodynamics, the fundamentals of heat transfer and fifty years of practical experience of heat transfer processes.

Heatex products are well known for providing high energy recovery and for enabling a fast return on investment. The company has a history of steady growth and has over the years established itself as the market and technology leader of air-to-air heat transfer.