



H2

**THE PROMISE
THE PROOF
HEATEX**

AIR-TO-AIR HEAT EXCHANGERS

HEATEX

PLATE HEAT EXCHANGERS

Heatex offers a broad range of plate heat exchangers that are easy to mount and maintain. All Heatex heat exchangers are produced on an originally Heatex designed and built production line. Cutting, gluing, folding and stacking are all done in an identical and fully automated process in all production sites, guaranteeing a unique, globally identical and continuously high, product quality.

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 design allows rapid and thorough cleaning and servicing. The strong aluminum plates in high standard alloy give the products a long lifetime and with no moving parts, the maintenance and service costs can be kept to a minimum.



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 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.

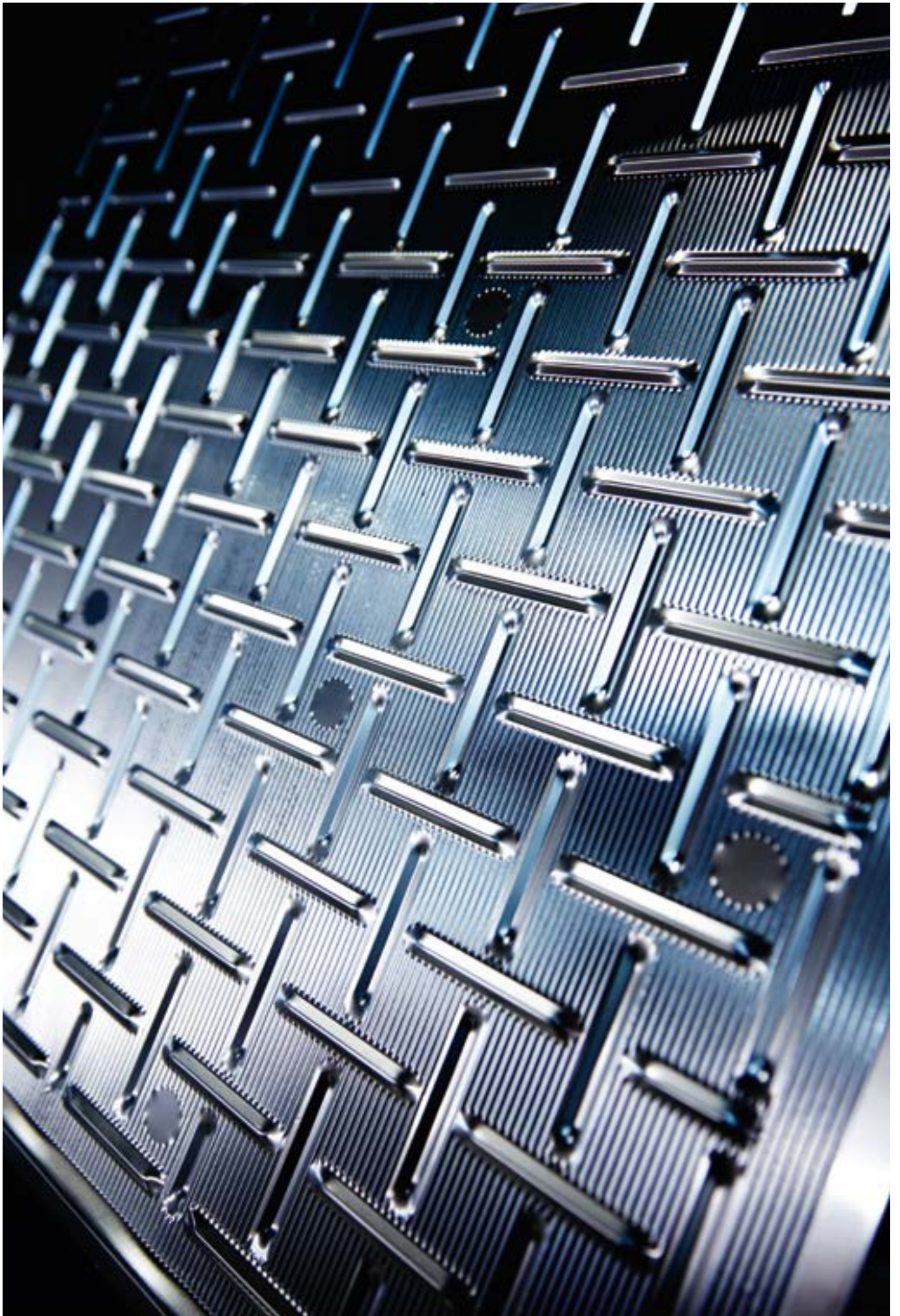
THE PROOF: H2 KNOCKS OUT THE COMPETITION

H2 is the defining high performance plate heat exchanger on the market today. The unique cross flow plate configuration delivers high efficiency with up to 80% lower pressure drop relative to traditional plate heat exchanger configurations. Some of the H2's unique features include:

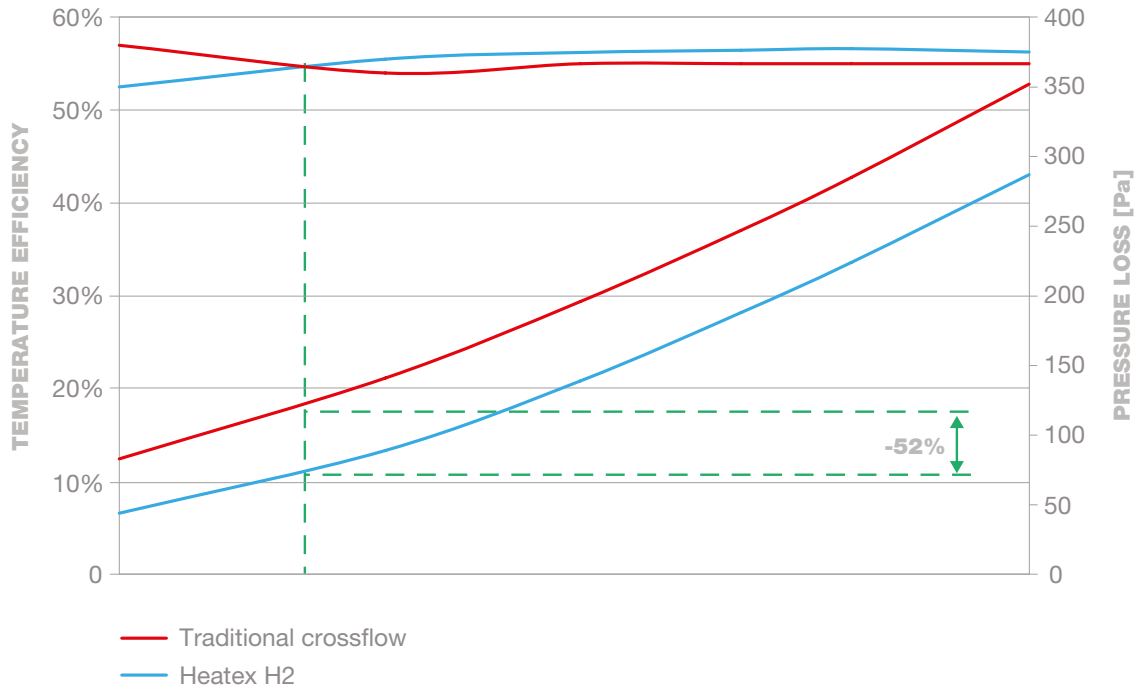
- **ADVANCED SURFACE PATTERN**
Leads to increased turbulence and heat transfer.
- **SLIMLINE FRAMES**
Reduced frame profile enables larger plate surface and increased efficiency.
- **OPTIMIZED BAR SPACERS**
Optimized towards lower pressure loss, higher efficiency and increased mechanical stability.
- **IMPROVED TIGHTNESS**
Lower cross contamination ensures improved IAQ (Indoor Air Quality).
- **COMPACT DESIGN**
Minimized footprint leads to 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.

In a fully integrated system, better performance by one component leads to improvements throughout the system. With higher efficiency and reduced footprint, the H2 yields better overall system performance and faster return of investment than any other plate heat exchanger available.

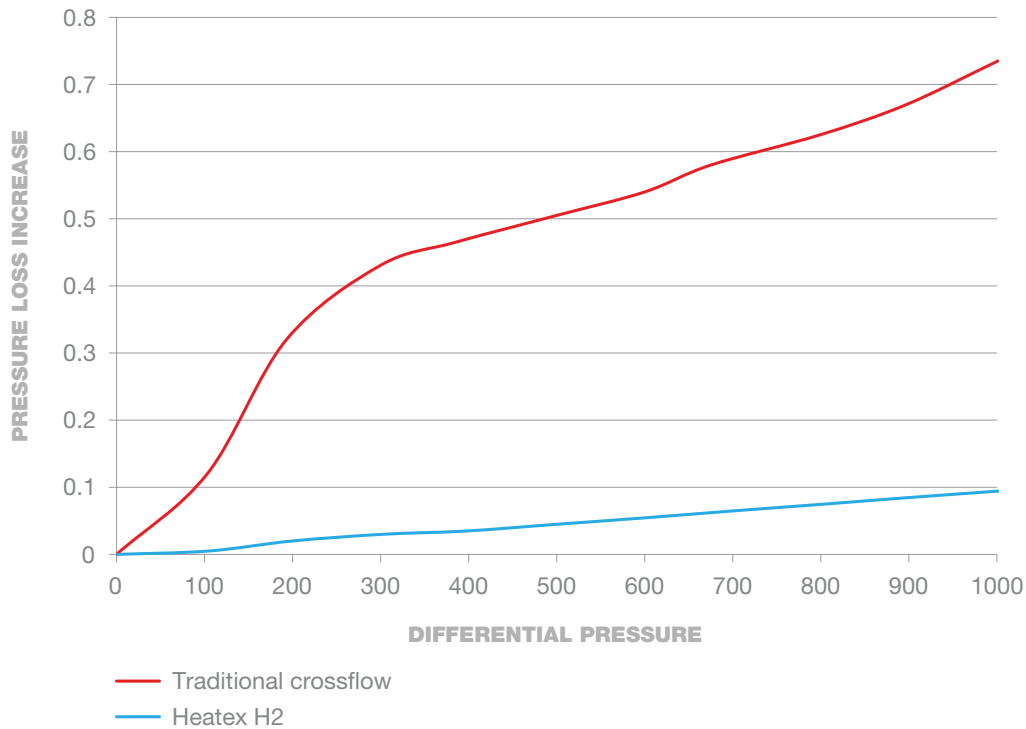




DIFFERENCE IN PRESSURE LOSS AND TEMPERATURE EFFICIENCY FOR THE SAME PLATE DISTANCE



DIFFERENCE IN DIFFERENTIAL PRESSURE RESISTANCE



The wide range of sizes enables the model H2 to cover a broad application span, from low air flows to large commercial installations. Here are some typical applications:

- Energy recovery for ventilation
- Condensation drying
- Thermal management

SPECIFICATIONS

PLATE SIZE:

500mm / 600mm / 700 mm / 750mm / 850mm / 1000mm
Combined modules up to 3000mm (118.1") are available.

PLATE MATERIAL:

Aluminum/Epoxy coated aluminum.

FRAME MATERIAL:

Corner profiles in aluminum and end-plates in aluzinc.
Customized options are available upon request.

SEALING:

Siliconefree (max 90°C, 190°F).
Silicone (max 200°C, 390°F).
High Temperature Silicone (max 240 °C, 464°F)

THE PROMISE:

With Heatex as the leader of plate heat exchangers, 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 the optimized solution for your application.

All Heatex products are custom made and designed to match the customer's technical specifications. Heatex Select, always available on-line for free at heatex.com, enables accurate calculations of the performance of a product under different conditions. Model H2 complies with ECO Design LOT 6.

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

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

Being the leader, Heatex provides the expertise and cutting edge products to make your project a success.



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.