

A nighttime photograph of a busy city street, likely in Japan, featuring tall buildings with numerous illuminated signs and billboards. The scene is filled with light from streetlights and vehicle headlights, creating a vibrant urban atmosphere. A semi-transparent teal box is overlaid on the lower-left portion of the image, containing white text.

EC

**ELECTRONIC COOLING
SPECIAL APPLICATIONS**

**THE PROMISE
THE PROOF
HEATEX**

AIR-TO-AIR HEAT EXCHANGERS

HEATEX

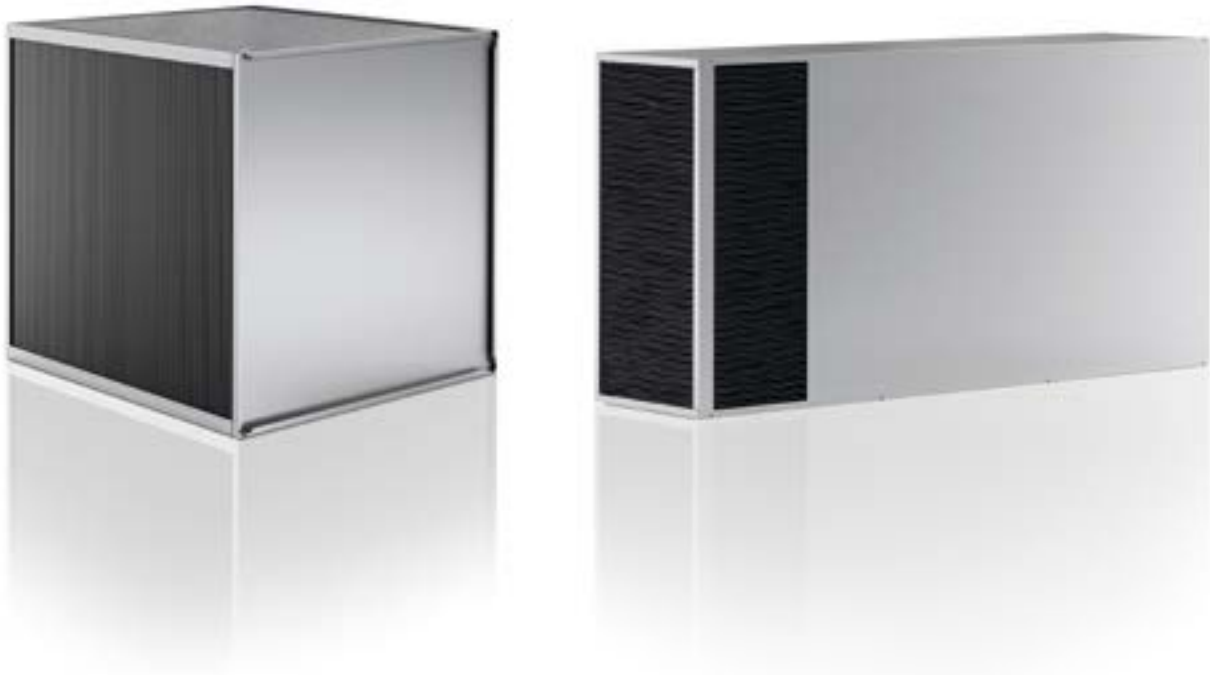
OUT OF THE BOX SOLUTIONS

Most people think that heat exchangers are only used in ventilation systems. This is of course one of the most frequent applications, but they can be used to so much more. One example is to cool electronic equipment. Our closed loop thermal management solutions protect the sensitive components from overheating and surrounding contaminants.

EXPERIENCED SUPPORT

At Heatex, we specialize in air-to-air heat exchangers. It is our key product with highest quality that only comes with long experience. All our products are custom made and designed to match the customer's technical specifications. With a global team of sales and technical support, we respond quickly to inquiries with the optimized solution for each application.





THE PROMISE: RELIABLE AND EFFECTIVE SYSTEMS

With Heatex air-to-air heat exchangers you get fully isolated flow paths to keep the cooled space safely protected from moisture, dust or other contaminants. The simple construction with no moving parts and no refrigerants makes the system virtually maintenance free and very environmentally friendly.

Our heat exchangers are usually manufactured from aluminum plates with aluzinc gables, which give a long and consistent service life. Moreover we offer a wide range of materials and options to meet all demands, even for the most harsh and corrosive environments. We also provide engineered services to select the best possible solution for each individual project. All Heatex products are fully customized to fit each client's requirements. Please don't hesitate to contact us with your thermal management challenges.

THE PROOF: EXPERIENCED TECHNOLOGY

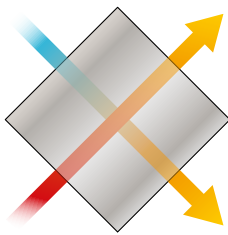
We have been providing larger thermal management solutions for telecommunication, data centers and wind turbines for many years with great success. However, we know that our products are also suitable for smaller cooling systems. They can be used to cool almost all electronic equipment, for example illuminated billboards, projectors and printers. No project is too big for us, and only a few projects are too small.

SYSTEM PRINCIPLES

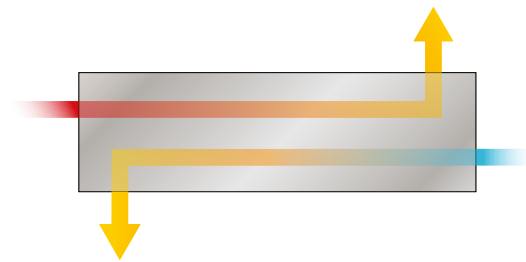
This is how it works: The air-to-air heat plate exchanger consists of a core of thin aluminum plates, gables and frames. The plates create channels for the air to pass through. The outside air passes on one side of the plate and the air in the enclosed space recirculates on the other side. The outside air cools the air in the enclosed space, through the thin aluminum plates. The outside air is always contaminated with humidity, dust and pollutants, but the two airflows never mix, providing a dry and clean space for the sensitive electronic components.

We have two types of plate heat exchangers, crossflow and counter flow. In a cross flow exchanger the cold and the warm air flow perpendicular to each other. In counter flow exchanger the two airstreams flow in opposite direction to one another. The air flow in our counter flow heat exchangers can be adjusted in several different ways. The crossflow heat exchangers can be assembled in a two-step configuration. The application determines which heat exchanger type provides the best solution.

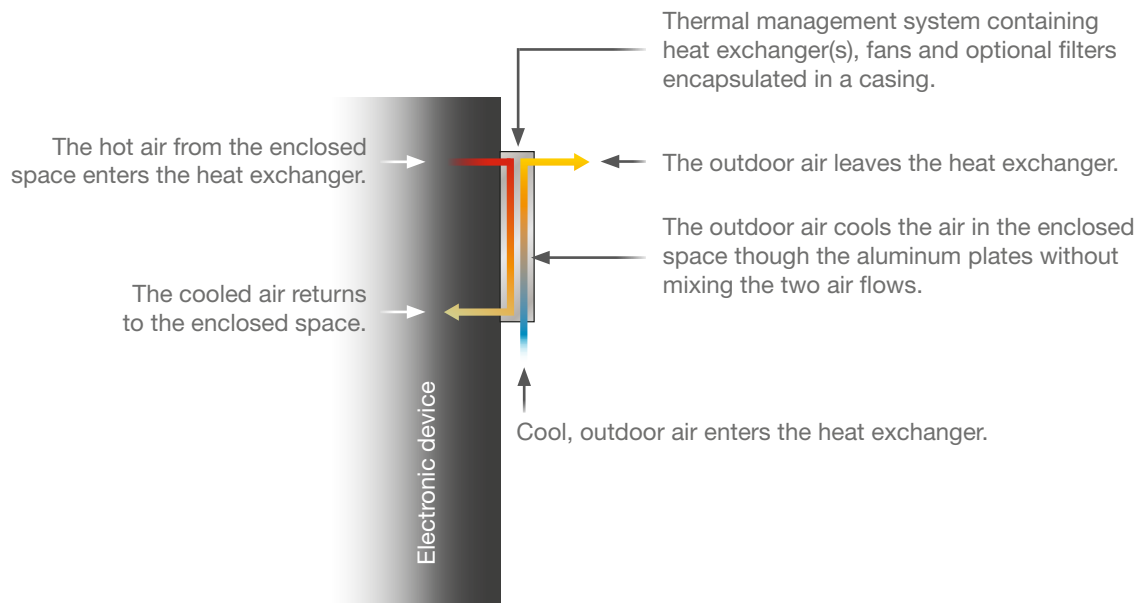
AIR FLOW CROSSFLOW



EXAMPLE OF AIR FLOW COUNTER FLOW



PRINCIPLE DRAWING



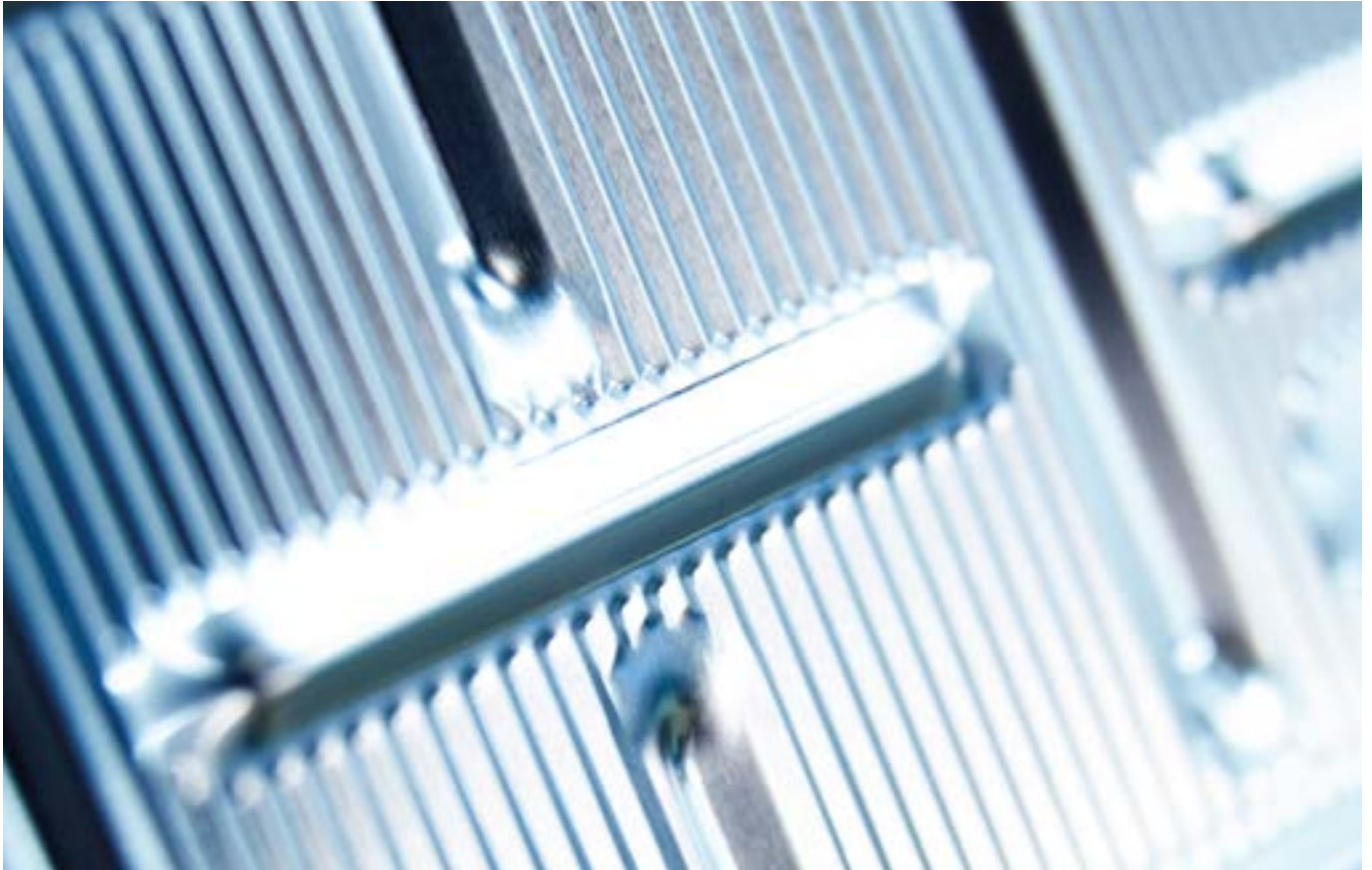
SOLUTIONS FOR THE GLOBAL CONSCIENCE

Today, there is a strong focus on minimizing the negative impact on the environment and it is imperative for everyone to contribute. Reducing energy costs is one way to reduce carbon footprint, whether as an individual, a company or a large organization.

At Heatex, we want to contribute to a general and global reduction of the usage of primary energy and reduction of CO₂ emissions. We promise that our commitment to energy efficient solutions makes a valuable contribution to sustainable development.

Thermal management systems with Heatex air-to-air heat exchangers give a very small carbon footprint with lower energy consumption and consequently reduced costs. Furthermore, they require no harmful refrigerants which often contribute to global warming and ozone depletion.





THE PROMISE:

As a leader in plate heat exchangers and thermal management solutions, Heatex is an excellent partner for the most challenging heat transfer applications.

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. 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, AHRI, RLT-Hygiene and ISO 9001.

Moreover, 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.

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 fluid dynamics, 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.