

# PRODUCT CATALOGUE

**THE PROMISE  
THE PROOF  
HEATEX**

AIR-TO-AIR HEAT EXCHANGERS

**HEATEX**

## HEATEX – THE COMPANY

Established in 1987, guided by its core values Excellence, Honesty and Simplicity, Heatex has today become one of the leading manufacturers of air-to-air heat exchangers in the world.

A global network of sales representatives together with manufacturing plants in EMEA, USA and China guarantee fast worldwide supply, support and associated services of our products.

## OUR PRODUCTS

Heatex specialises in air-to-air heat exchangers whose purpose it is to maximise the heat transfer between air flows.

Air-to-air heat exchangers are used for both closed circuit cooling applications and energy recovery and humidity control in ventilation applications.

- Thermal Management – Air-to-air heat exchangers provide reliable and energy efficient cooling of any enclosure with a heat emitting process. Good examples are telecom cabinets, datacentres, sensitive electronics, generators inside wind turbines, solar power plants, etc.
- Ventilation – AHU manufacturers use Heatex heat exchangers in HVAC systems for heat transfer and humidity control between the supply and exhaust airstreams.





## APPLICATION AREAS

Heatex heat exchangers can be used in a variety of buildings, industries and applications.

The application determines which heat exchanger provides the best solution. We have specialized in making customer solutions that provide optimal energy recovery and fast return on investments.

### VENTILATION - ENERGY RECOVERY

In some markets, especially northern Europe, the focus on energy saving systems goes many decades back.

A considerable part of the total energy consumption is used for either heating or cooling of air as such, or heating or cooling of other elements by air. Today a lot of effort is put into research for alternative and renewable energy and also into various energy saving systems.

Implementing an air-to-air heat exchanger is an excellent way to utilize what is normally considered waste energy. Exhausted air from buildings and ventilation systems is directly discarded to the outside leading to excessive energy losses and low overall efficiency. An air-to-air heat exchanger will utilize the temperature difference between the supply and exhaust air to increase the overall system efficiency and both recover the waste energy and save a considerable amount of energy usage.

#### Examples

- Schools
- Passive houses
- Office and shopping centres
- Swimming pools and sport centres
- Hospitals
- Factories





## **VENTILATION - HEAT RECOVERY**

Heat recovery works similar to energy recovery. In heat recovery applications the incoming cool air in the ventilation system is heated by the warm exhaust air. With high efficient air-to-air heat exchangers, up to 90% of the heat in the exhaust air is transferred to the supply air. The exhaust air is contaminated with humidity and pollutants, but the two airflows never mix, leaving the supply air fresh and clean.

We also have solutions for dehumidification of the air through condensation, for example in wood drying industries to eliminate the risk of dampness and mould growth. Our heat recovery solutions are suitable in buildings where corrosive gasses are mixed into the air. Furthermore, heat recovery systems give a very small carbon footprint with lower energy consumption and consequently reduced heating costs.

### **Examples**

- Welding hoods
- Process industry
- Wood drying processes
- Painting and spray booths
- Shipping and marine industries



## THERMAL MANAGEMENT

The pace and growth of modern technology lead to numerous challenges across several industries. As the scale and complexity of the electronic devices increases, so does the need to protect them from overheating, moisture, dust and other contaminants. Effective, reliable and environmentally friendly thermal management solutions are essential to successful overall system design.

Heatex heat exchangers provide efficient and secure cooling to enclosures and sensitive equipment. Our closed system designs have fully isolated flow paths to keep the cooled space safely protected from dust and moisture. We also offer options for applications in aggressive or harsh environments such as marine applications.

### Examples

- General electronic equipment cooling
- Telecom enclosures
- Data centres
- Electric vehicle charging
- Digital media

## WIND & RENEWABLES

We have been providing cooling solutions to the wind power industry for years through innovative applications of our air-to-air heat exchangers. Our unique solutions deliver simplified cooling without the complexity and weight found in secondary radiators and liquid handling systems. The systems are fully customized to optimize generator operation and fulfill manufacturer requirements. Our solutions are suitable for both onshore and offshore applications.

### Examples

- Generator Cooling
- Nacelle Cooling
- Solar power



## PLATE HEAT EXCHANGERS

Heatex offers a broad range of plate heat exchangers. All units are produced according to our standardized processes with our proprietary production equipment at our global facilities, ensuring uniform product quality and favorable lead times worldwide.

### HEATEX PLATE HEAT EXCHANGER ADVANTAGES

- **HIGH EFFICIENCY**  
With Heatex heat exchangers, up to 90% of the heat in the exhaust air is transferred to the supply air.
- **LONGEVITY**  
No moving parts and strong aluminium plates in high standard alloy give the products a long lifetime and minimal need of service.
- **EASY MAINTENANCE**  
The design allows for rapid and thorough cleaning and servicing.
- **FULLY CUSTOMISED**  
All of our products are carefully designed to meet the demands for each specific application.
- **WIDE RANGE OF OPTIONS**  
We offer an extensive range of design options regarding materials, sizes and components to suit various application and performance requirements.
- **TECHNICAL EXPERTISE**  
We have the technical knowledge to customize solutions for your unique needs.

## CROSS FLOW HEAT EXCHANGER

# MODEL H2

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.

A wide range of options including painted frame work, epoxy coated plates and closed plate cutting edges will improve corrosion resistance and minimize air leakage even further.

Custom made accessories like bypass and dampers are available for all our cross flow heat exchangers.



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

Heatex cross flow plate heat exchangers comply with hygiene standard EN 13779 and clean room standard DIN 1946 part 4.

## TECHNICAL SPECIFICATIONS

### COMBINED MODULES SIZE:

- 600 - 3000 mm

### PLATE SIZE:

- 600 mm / 700 mm / 750 mm / 850 mm / 1000 mm / 1200 mm

### PLATE MATERIAL:

- Aluminum (standard)
- Epoxy coated aluminium (improved corrosion protection)

### GABLES:

- Aluzinc (standard)
- Aluminum

### CORNER PROFILES

- Aluminium 90° (standard)
- Aluminium 45°

### MAXIMUM ALLOWED TEMPERATURE AND SEALING:

- 90°C - Silicone free (standard)
- 200°C - Silicone
- 240°C - 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:

- 1800 - 3000 Pa, depending on plate spacing  
> 3000 Pa for plate spacing above 4 mm
- For H2 1200/2400:  
1500 - 1700 Pa for plate spacing 2.0 mm - 3.0 mm  
> 3000 Pa for plate spacing above 4 mm

Owing to continued product development Heatex AB reserves the right to introduce alterations without prior notice. For more detailed information and the latest updates we refer to our website.



## CROSS FLOW HEAT EXCHANGER

# MODEL H

Model H is Heatex' original cross flow plate heat exchanger with typical dry temperature efficiency up to 65% for a single pass and 85% for two-step arrangements.

Its well-proven plate design creates turbulence even at lower velocities which, combined with high channel heights, results in a low-pressure drop and a total increase in efficiency.

Model H offers the widest set of options and configurations among our cross flow plate heat exchangers.

Model H is certified according to Eurovent, AHRI, ILH and TüvSüd. A lot of configurations comply with the Ecodesign Lot 6 requirements.



Heatex cross flow plate heat exchangers comply with hygiene standard EN 13779 and clean room standard DIN 1946 part 4.

## TECHNICAL SPECIFICATIONS

### COMBINED MODULES SIZE:

- 200 - 3000 mm

### PLATE SIZE:

- 200 mm / 300 mm / 415 mm / 425 mm / 600 mm / 750 mm / 800 mm / 850 mm / 1000 mm

### PLATE MATERIAL:

- Aluminium (standard)
- Epoxy coated aluminium (improved corrosion protection)

### GABLES:

- Aluzinc (for plate size > 600)
- Aluminium (for plate size < 300)

### CORNER PROFILES:

- Aluminium 90° (standard)
- Aluminium 45°
- Aluminium brush profile

### MAXIMUM ALLOWED TEMPERATURE AND SEALING:

- 90°C - Silicone free (standard)
- 200°C - Silicone
- 240°C - Silicone

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

- 0.1% of nominal air flow for size > 425 mm
- 1% of nominal airflow for sizes < 425 mm
- 1% of nominal airflow with silicone sealant

### MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:

- < 1800 Pa for most sizes
- < 700 Pa for size 200 and 300

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## CROSS FLOW HEAT EXCHANGER

# MODEL P

Model P is a heavy duty, cross flow plate heat exchanger, specially designed for applications where high differential pressures occur. Efficiencies up to 65% for single units and up to 85% for two-step arrangements are typical.

Based on the same well-proven plate design as Model H, Model P's efficiency is similar but offers a higher differential pressure resistance due to its extra strong aluminum plates.

Model P is our most robust aluminum cross flow plate heat exchanger.

Model P is certified according to Eurovent, ILH and TüvSüd. A lot of configurations comply with the Ecodesign Lot 6 requirements.

Heatex cross flow plate heat exchangers comply with hygiene standard EN 13779 and clean room standard DIN 1946 part 4.



## TECHNICAL SPECIFICATIONS

### COMBINED MODULES SIZE:

- 600 - 3000 mm

### PLATE SIZE:

- 600 mm / 750 mm / 850 mm / 1000 mm

### PLATE MATERIAL:

- Aluminum (standard)
- Epoxy coated aluminium (improved corrosion protection)

### GABLES:

- Aluzinc

### CORNER PROFILES:

- Aluminium 90° (standard)
- Aluminium 45°
- Aluminium brush profile

### MAXIMUM ALLOWED TEMPERATURE AND SEALING:

- 90°C - Silicone free (standard)
- 200°C - Silicone
- 240°C - Silicone

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

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

### MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:

- < 3800 Pa

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## CROSS FLOW HEAT EXCHANGER

# MODEL Z

Model Z is designed to operate in corrosive environments and heavy duty applications. The entire unit is made of acid resistant stainless steel and a single pass exchanger can provide a sensible efficiency of 65 - 70%.

Based on the same well-proven plate design as Model H, Model Z's efficiency is similar to Model H but offers even higher differential pressure resistance due to its stainless steel plates.

Model Z is our most durable cross-flow heat exchanger.

Heatex cross flow plate heat exchangers comply with hygiene standard EN 13779 and clean room standard DIN 1946 part 4.



## TECHNICAL SPECIFICATIONS

### COMBINED MODULES SIZE:

- 600 - 1200 mm

### PLATE SIZE:

- 600 mm

### PLATE MATERIAL:

- Stainless steel 1.4404 (ASTM 316)

### GABLES:

- Stainless steel 1.4404 (ASTM 316)

### CORNER PROFILES:

- Stainless steel 1.4404 (ASTM 316) 90°

### MAXIMUM ALLOWED TEMPERATURE AND SEALING:

- 90°C - Silicone free (standard)
- 200°C - Silicone
- 240°C - Silicone

### MAXIMUM LEAKAGE:

- 0.1% of nominal airflow
- > 1% with silicone sealant

### MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:

- < 4000 Pa

Owing to continued product development Heatex AB reserves the right to introduce alterations without prior notice. For more detailed information and the latest updates we refer to our website.

## TWIN CROSS FLOW HEAT EXCHANGER

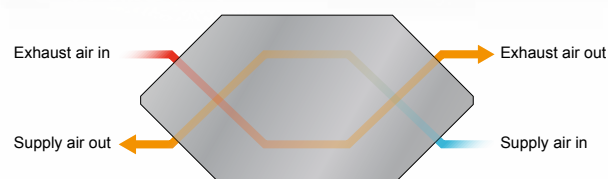
# MODEL T

Model T is a high efficiency, double pass twin cross flow plate heat exchanger for small decentralized residential applications up to medium and larger centralized ventilation applications. Efficiencies between 80% - 90% are typical.

Based on the same plate design as our Model H cross flow heat exchanger, Model T combines the increased efficiency of a two-step arrangement, with the benefits of a compact casing.

Model T is certified according to Eurovent.

Heatex cross flow plate heat exchangers comply with hygiene standard EN 13779 and clean room standard DIN 1946 part 4.



## TECHNICAL SPECIFICATIONS

### WIDTH:

- 300 - 1000 mm

### PLATE SIZE:

- 200 mm / 300 mm

### PLATE MATERIAL:

- Aluminium (standard)
- Epoxy coated aluminium (improved corrosion protection)

### GABLES:

- Aluminium

### CORNER PROFILES:

- Aluminium 45°

### FRAME DESIGNS:

- Only available with flat gables

### MAXIMUM ALLOWED TEMPERATURE AND SEALING:

- 90°C - Silicone free (standard)
- 200°C - Silicone

### MAXIMUM LEAKAGE:

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

### MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:

- 700 Pa

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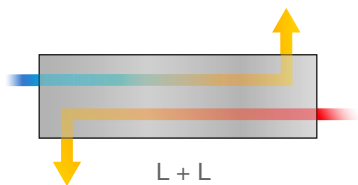
## COUNTER FLOW HEAT EXCHANGER

# MODEL M

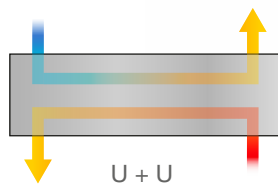
Model M is a high-efficiency counterflow plate heat exchanger, specially designed for the demanding requirements of the telecommunications and electrical enclosure industry. Even in a dry situation, it can come close to 90% (sensible) efficiency.

The Model M exchanger combines slim, effective counter flow design with the option of different airflow configurations.

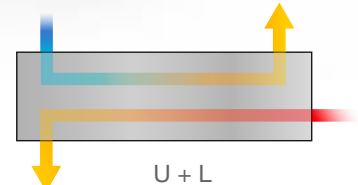
Especially for Model M, Heatex offers custom integration solutions for easy installation and faster end product delivery and may be built according to customers request with either double L-flow, double U-flow or L+U-flow configuration.



Most effective/recommended.



Alternative for special flow path requirements.



## TECHNICAL SPECIFICATIONS

### WIDTH:

- 100 - 600 mm depending on size

### PLATE SIZE:

- 95 mm / 140 mm / 190 mm / 235 mm

### PLATE MATERIAL:

- Aluminium (standard)
- Epoxy coated aluminium (improved corrosion protection)

### CASE MATERIAL:

- Aluzinc

### MAXIMUM ALLOWED TEMPERATURE AND SEALING:

- 90°C - Silicone free (standard)

### MAXIMUM LEAKAGE:

- 0.1% of nominal air flow at 400 Pa

### MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:

- 700 Pa

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## HEAT EXCHANGER

# OPTIONS

### **PAINTED FRAME WORK**

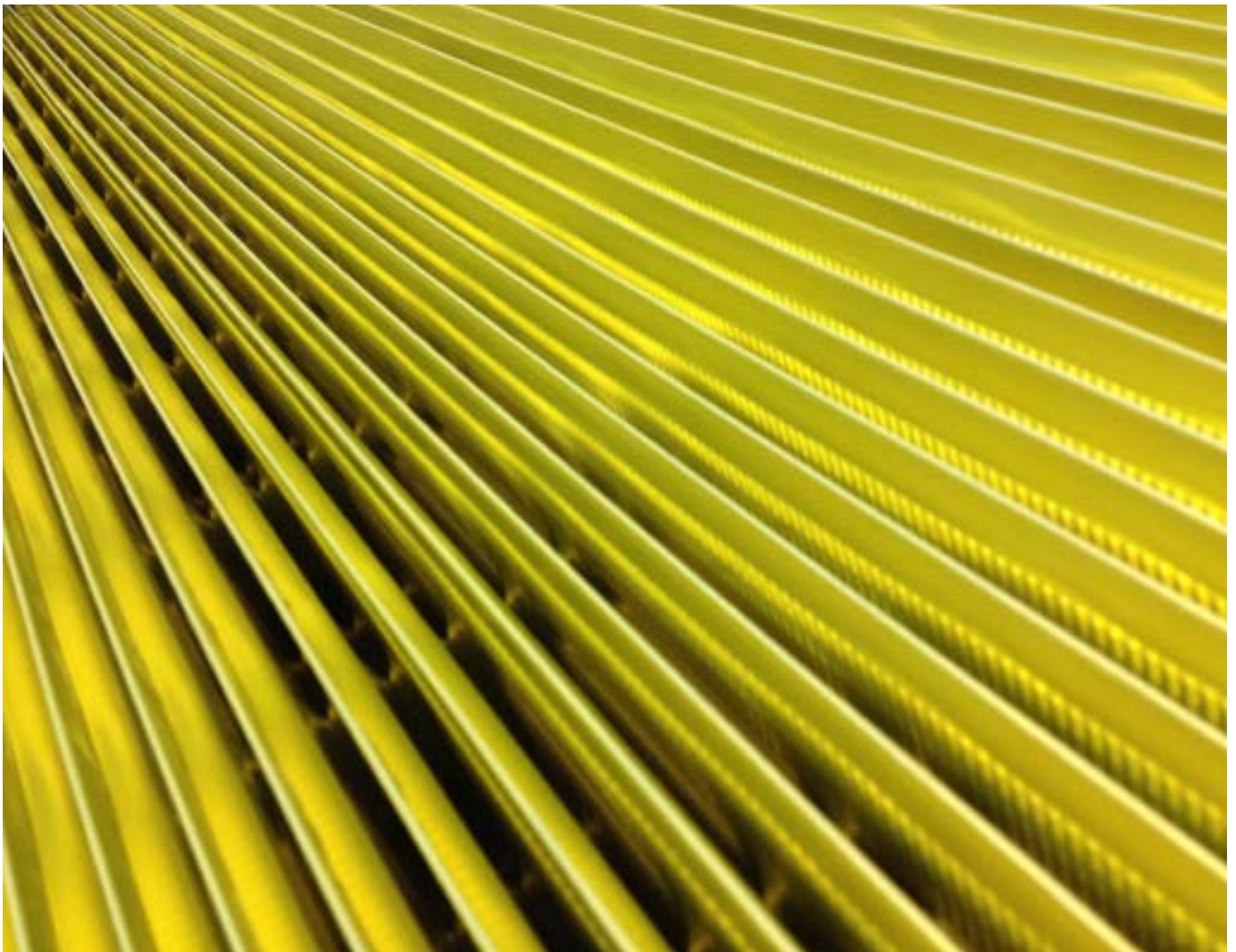
For corrosion protection in wet and humid applications, all Heatex exchangers are available with powder coated frame work and sealed joints. For the highest corrosion protection we recommend to add both Epoxy Coated Plates and Closed Plate Cutting Edges.

### **EPOXY COATED PLATES**

For improved corrosion protection in demanding applications such as in coastal environments, all Heatex aluminium heat exchangers are available with epoxy coated plates. For the highest corrosion protection we recommend to add both Painted Frame Work and Closed Plate Cutting Edges.

### **CLOSED PLATE CUTTING EDGES**

For ultimate corrosion protection, Heatex recommends Closed Plate Cutting Edges which means that a lacquer is run along the joints of the plates, covering the cutting edges found on epoxy coated plates. This will also improve the already high tightness of the exchanger and limit leakage to a minimum.



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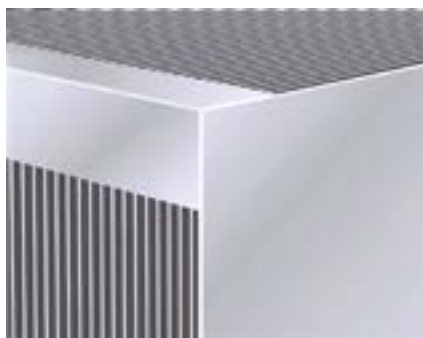
## CROSS FLOW HEAT EXCHANGER

# FRAMES

### FRAMES WITH FLAT END PLATE



45° corner profile



90° corner profile



Brush profile

### FRAMES SINGLE BENT END PLATES



45° corner profile



90° corner profile



Brush profile

### FRAMES DOUBLE BENT END PLATES



90° corner profile



Brush Profile

**FOR FURTHER OPTIONS  
PLEASE CONTACT YOUR  
HEATEX SALES  
REPRESENTATIVE.**

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## HEAT EXCHANGER

# DAMPERS

Suitable for close/open bypass exchanger section in connection with cross-flow plate heat exchanger.

The damper has hidden wheels for better protection against filth and mechanical damage. As standard the driving shaft is placed on the end of the middle wing on the by-pass side, or by even number of wings the upper wing next to the middle. The damper can upon request be supplied with driving shaft turned inward.

As option the damper can be supplied painted. This is standard for exchangers with painted framework. We also recommend painted dampers for installation in areas with heavily polluted air. Special only inside-bypass damper is also available.

Tightness classification 2.



## DAMPER KEY MEASUREMENTS

### FRAME HEIGHT:

- 125 mm

### WING WIDTH/DIVISION:

- 100 mm

### SHAFT STANDARD (SQUARE):

- 12 x 12 mm

### SHAFT LENGTH:

- 50 mm standard (adjustable up to 200 mm)

### SHAFT ON REQUEST:

- Ø 12 mm (max length 95 mm)

### MAXIMUM DAMPER WIDTH:

- 2500 mm (including by-pass)

### MAXIMUM DAMPER-UNIT AREA:

- 4 m<sup>2</sup> (including by-pass)

### MAXIMUM WING LENGTH:

- 1400 mm

### MATERIAL:

- Profiles and damper wings in aluminium
- Driving wheels in PP plastic with fiberglass (suitable for temperatures between -15 to +80 degrees)

Owing to continued product development Heatex AB reserves the right to introduce alterations without prior notice. For more detailed information and the latest updates we refer to our website.



## ROTARY HEAT EXCHANGERS

All Heatex rotary heat exchangers share the same high-efficiency matrix and a wide variety of well-heights to suit various performance requirements. All units are produced at our global production facilities with our proprietary production equipment according to the same standardized processes, ensuring uniform product quality and favorable lead times worldwide.

### HEATEX ROTARY HEAT EXCHANGER ADVANTAGES

- **HIGH EFFICIENCY**  
Heatex rotary exchangers provide high sensible and latent efficiencies.
- **LOW FREEZING RISK**  
Rotary heat exchangers offer a very low freezing risk as the wheels by definition defrost themselves.
- **MINIMAL CROSS CONTAMINATION**  
Models with casing are fitted with seals for excellent air tightness and can be equipped with purge sectors to minimize the cross-contamination of exhaust air into the supply air.
- **HUMIDITY TRANSFER**  
The possibility of adding various coatings to the wheel, which allows latent transfer or increased corrosion protection.
- **WIDE RANGE OF OPTIONS**  
We offer an extensive range of options regarding sizes, material, and drives to suit various application and performance requirements.
- **TECHNICAL EXPERTISE**  
We have the technical expertise to customize solutions for your unique needs.

### RECOMMENDED VALUES FOR ALL ROTARY HEAT EXCHANGERS

- Maximum differential pressure up to 600 Pa
- Recommended pressure drop between 100 - 200 Pa
- Air temperature limits between min. -40°C and max. 65°C

## ROTARY HEAT EXCHANGER

# MODEL O

Model O is a high-performing and lightweight thermal wheel without a casing. It's designed for air handling units and primarily for comfort ventilation applications. Typical temperature efficiencies are up to 90%.

Model O is ideal for installation in new air handling units or retrofitting in older units. The wheel is available for both vertical and horizontal assembly.

Model E's performance is certified according to Eurovent, AHRI and TüvSüd. Model O also meets several hygiene requirements.

Model O is also available with a casing it is then called Model E.



## TECHNICAL SPECIFICATIONS

### SIZE Ø:

- 500 - 2575 mm

### ROTOR DEPTH:

- 200 mm

### MATRIX MATERIAL:

- Aluminum (Condensation)
- Epoxy (Condensation)
- Hybrid with silica gel (Enthalpy)
- Hybrid with molecular sieve (Enthalpy)
- Silica gel (Adsorption)
- Molecular sieve (Adsorption)

### HUB:

- Ball bearing with shaft
- Ball bearing with shaft, corrosion resistant

### EXCHANGER ORIENTATION:

- Vertical or horizontal

### AIRFLOW CAPACITY:

- 200 - 90 000 Nm<sup>3</sup>/h

### MAXIMUM ALLOWED PRESSURE DROP:

- 300 Pa for < Ø1600 mm or 250 Pa for > Ø1600 mm

Owing to continued product development Heatex AB reserves the right to introduce alterations without prior notice. For more detailed information and the latest updates we refer to our website.

## ROTARY HEAT EXCHANGER

# MODEL E

Model E is a high-performing and lightweight rotary heat exchanger designed for air handling units, primarily for comfort ventilation applications. Typical temperature efficiencies are up to 90%.

Model E offers one of the most compact casing available on the market. This gives an exceptional efficiency compared to conventional rotary exchangers with the same casing dimensions. The casing is manufactured from galvanized steel and provides high torsional rigidity.

The airflows may be oriented as side by side or top/bottom, and the complete rotor may be installed in a vertical as well as in a horizontal orientation.

Air leakage between wheel and casing is minimized with a brush seal allowing easy adjustment, longer lifetime and low friction. The two air streams are also separated by adjustable brush sealants.

Model E's performance is certified according to Eurovent, AHRI and TüvSüd. Model E also meets several hygiene requirements. Only the wheel, without casing, is called Model O.



## TECHNICAL SPECIFICATIONS

### SIZE Ø:

- 500 - 2575 mm

### CASING DEPTH:

- 276 mm (for Ø 500 - 1100 mm)
- 316 mm (for Ø 1101 - 2575 mm)

### MATRIX MATERIAL:

- Aluminum (Condensation)
- Epoxy (Condensation)
- Hybrid with silica gel (Enthalpy)
- Hybrid with molecular sieve (Enthalpy)
- Silica gel (Adsorption)
- Molecular sieve (Adsorption)

### CASING MATERIAL:

- Galvanized steel

### HUB:

- Ball bearing with shaft
- Ball bearing with shaft, corrosion resistant

### SEALING:

- Brush seal
- Special seal for better wear resistance and improved tightness

### DRIVE UNIT:

- Advanced step drive and control with modbus
- Inverter ready constant speed drive

### EXCHANGER ORIENTATION:

- Vertical or horizontal

### AIRFLOW CAPACITY:

- 200 - 90 000 Nm³/h

### MAXIMUM ALLOWED PRESSURE DROP:

- 300 Pa for < Ø1600 mm or 250 Pa for > Ø1600 mm

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## ROTARY HEAT EXCHANGER

# MODEL EV

Model EV is a high-performing, segmented rotary thermal wheel in for industrial and marine ventilation applications. Typical temperature efficiencies are up to 90%.

Thanks to its segmented wheel Model EV facilitates onsite installation or replacement in narrow spaces. It also provides for lower transportation costs.

It is possible to make adjustments to the position of the shaft in all directions for a perfectly balanced fit in the air handling unit.

Model EV is certified according to Eurovent and AHRI.

Model EV is also available with a casing it is then called Model EQ.



## TECHNICAL SPECIFICATIONS

### SIZE Ø:

- 1 600 - 3 800mm

### WHEEL DEPTH:

- 200 mm

### MATRIX MATERIAL:

- Aluminum (standard)
- Epoxy coated aluminum (improved corrosion protection)
- Silica gel (enhanced moisture transfer)
- Molecular sieve coated aluminum (enhanced moisture transfer)
- Hybrid (aluminum partially coated with silica gel)
- Hygromix (silica gel and molecular sieve coated aluminum)

### HUB / BEARING:

- Fixed shaft for external bearings (standard)
- Fixed shaft for internal bearings

### AIRFLOW DESIGN (VERTICAL POSITION):

- Air flow enters and leaves top to bottom (standard) or side by side

### TYPICAL AIRFLOWS:

- 2 000 - 190 000 Nm<sup>3</sup>/h

### MAXIMUM ALLOWED PRESSURE DROP:

- 250 Pa

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## ROTARY HEAT EXCHANGER

# MODEL EQ

Model EQ is a high-performing, segmented rotary heat exchanger in a robust galvanized steel casing for industrial and marine ventilation applications. Typical temperature efficiencies are up to 90%.

Thanks to its segmented wheel Model EQ facilitates onsite installation or replacement in narrow spaces. It also provides for lower transportation costs.

It is possible to make adjustments to the position of the shaft in all directions for a perfectly balanced fit in the air handling unit.

Air leakage between wheel and casing is minimized with a brush seal allowing easy adjustment, longer lifetime and low friction. The two air streams are also separated by adjustable brush sealants.

Model EQ is certified according to Eurovent and AHRI. Only the wheel, without casing, is called Model EV.



## TECHNICAL SPECIFICATIONS

### SIZE Ø:

- 1600 - 3800 mm

### CASING DEPTH:

- 456 mm (for Ø 1600 - 1900 mm)
- 460 mm (for Ø 1901 - 2800 mm)
- 500 mm (for Ø 2801 - 3800 mm)

### MATRIX MATERIAL:

- Aluminum (standard)
- Epoxy coated aluminum (improved corrosion protection)
- Silica gel (enhanced moisture transfer)
- Molecular sieve coated aluminum (enhanced moisture transfer)
- Hybrid (aluminum partially coated with silica gel)
- Hygromix (silica gel and molecular sieve coated aluminum)

### CASING MATERIAL:

- Galvanized steel

### HUB / BEARING:

- Fixed shaft for external bearings (standard)
- Fixed shaft for internal bearings

### SEALING:

- Brush seal

### DRIVE UNIT:

- Drive and control (VFD)
- Inverter ready constant drive

### AIRFLOW DESIGN (VERTICAL POSITION):

- Air flow enters and leaves top to bottom (standard) or side by side

### TYPICAL AIRFLOWS:

- 2 000 - 190 000 Nm³/h

### MAXIMUM ALLOWED PRESSURE DROP:

- 250 Pa

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## ROTARY HEAT EXCHANGER

# MODEL EN

Model EN is a high-performing small rotary heat exchanger without casing, designed to be fitted directly inside an air handling unit or mounted in a cassette, primarily for residential ventilation applications. Typical temperature efficiencies are between 75-80%, but with design optimization, the efficiency can approach 90%.

The product holds a smaller diameter hub and bearing which maximizes the airflow for small residential air handlers. Further, a glued aluminum wrapping allows for high output and durability.

Model EN is available in different widths, adding one more dimension for perfection in residential air handling design.

Model EN is certified according to Eurovent.



## TECHNICAL SPECIFICATIONS

### SIZE Ø:

- 200 - 500 mm  
(Larger diameters on request)

### ROTOR DEPTH:

- Available in 100, 150 and 200 mm widths

### MATRIX MATERIAL:

- Aluminum (Condensation)
- Epoxy (Condensation)
- Hybrid with silica gel (Enthalpy)
- Hybrid with molecular sieve (Enthalpy)
- Silica gel (Adsorption)
- Molecular sieve (Adsorption)

### HUB:

- Ball bearing with shaft

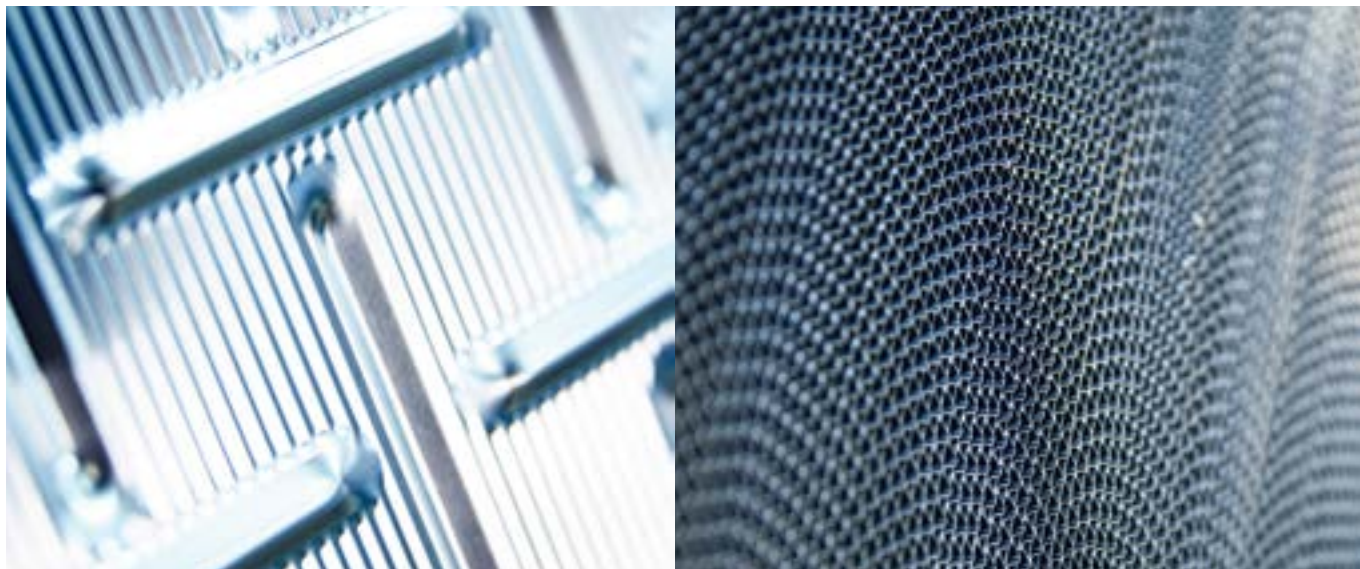
### AIRFLOW CAPACITY:

- 50 - 2 000 Nm<sup>3</sup>/h

### MAXIMUM ALLOWED PRESSURE DROP:

- 300 Pa

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## THE PROMISE: TRANSPARENCY

Heatex quality air-to-air heat exchangers are designed to comply with all national and local building codes. Our products always comply with standards, always perform according to (or even exceed) codes and specifications, and always live up to the highest technical expectations.

When Heatex communicates around its products' performance you will receive real life values.

## THE PROOF: CERTIFICATIONS, TEST RESULTS, SCIENTIFIC BASE

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 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.