Counterflow Heat Exchangers from Holmak
Highest efficiency – Lowest pressure loss
Cutting-edge technology
for ventilation with heat recovery.

We supply plastic heat exchangers for central and decentral ventilation systems with excellent performance rates.

Plastic heat exchangers from Holmak

- High manufactured quality based on a longstanding production track record
- Short lead times thanks to highly flexible production and logistics
- Drawing on cutting-edge technology from the entire CENTROTEC Group
- High efficiencies at all air volumes thanks to specific design

When separate supply and return airflows pass each other in opposite directions (counterflow principle), the warm air in one duct can heat up the cold air in the other duct by means of thin, parallel, highly conductive plastic plates. The principle of course also works in reverse, for cooling down warm air.
Heat recovery in winter

Extensive product portfolio for a wide range of applications.

Thanks to the broad functionality of our products and the flexible organisation of our company, we are in a position to meet a wide range of requirements.

Holmak counterflow heat exchangers are used as key components in a broad range of ventilation systems. Our goal is always to achieve an efficient exchange of cooling or heating energy

- for central ventilation,
- for decentral ventilation,
- for heat recovery in winter,
- for cold recovery in summer.

Our products are represented worldwide in our customers’ wide-ranging reference projects.
Central ventilation systems
Our plastic plate heat exchangers.

Thanks to the high-grade PET material and the optimal drainage, Holmak heat exchangers are easy to maintain and guarantee a lengthy operating life as well as optimal hygiene.

- Available in fire resistance class B2 (blue tinted foil) and standard (transparent foil)
- Automatically manufactured for supreme quality
- Length adjustable flexibly over range from 200 to 700 mm
- For a wide range of air volumes per unit

<table>
<thead>
<tr>
<th>Type</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>X (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TST 35</td>
<td>366</td>
<td>366</td>
<td>196,2</td>
<td>Flexible</td>
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<td>230</td>
<td>145</td>
<td>200 to 700 mm</td>
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<td>TST 15</td>
<td>318</td>
<td>138</td>
<td>73,5</td>
<td>700 mm</td>
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</table>
Up to 95 % thermal efficiency with lowest pressure loss.

Thanks to the specific design of the PET plates, a Holmak heat exchanger achieves high energy efficiency combined with lowest pressure loss across the entire range of air volumes.

- For a wide range of air volumes per unit
- Up to 95 % thermal efficiency with lowest pressure loss
- Lowest SFP (specific fan power) is obtained
Cutting-edge technology for customers who expect more.

*We are constantly testing new materials and designs in an effort to provide our customers with an innovative range of products featuring state-of-the-art technology.*

We are researchers. We work with most modern calculation software in order to continuously optimise the air flow and thermodynamics of our designs.

We are developers. In testing new materials and concepts, we are able to constantly improve both our products and our own level of expertise. We can also call on the assistance of a pool of experts from the CENTROTEC Group.
This is Holmak:
Specialist for air heat exchangers.

In focusing on counterflow heat exchangers, we declare our commitment to keep continuously optimising this technology.

Holmak was established in 2007 under a Dutch management as a production company in Macedonia. Research & Development as well as Design and Sales and part of the Production are based in Staphorst, the Netherlands. Holmak is a subsidiary of CENTROTEC Sustainable AG, a German listed company that has specialised in energy-efficient heating, ventilation and thermal technology in buildings. The group has around 3,500 employees and enjoys a presence in over 50 countries. Holmak focuses on the development and production of air to air heat exchangers that operate using highly efficient counterflow technology. State-of-the-art machinery and technologies, along with an experienced workforce, guarantee high product quality.