

Kühner heat exchangers Efficient heat recovery

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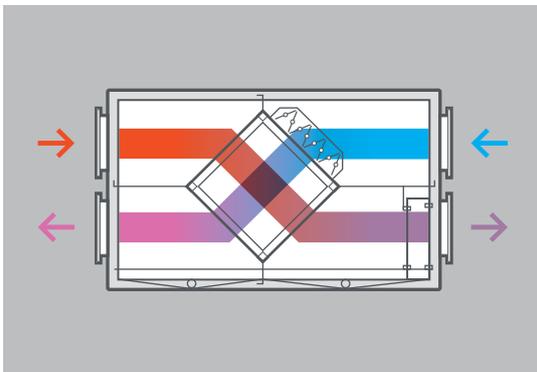
Recovering energy from exhaust air and exhaust gas – as gas to gas transfer or using a carrier medium.

>> 01 Heat recovery

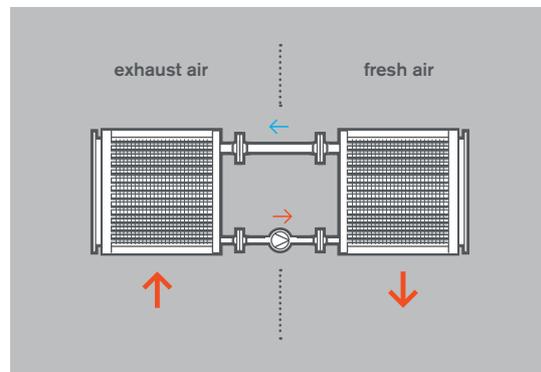
Heat recovery is a heat exchange process that focuses on utilising the extracted energy. Cooling the gas is merely a side effect. Depending on the application, the heat can be transferred from gas to gas or to a liquid heat transfer medium. Kühner offers a broad product range for a wide variety of applications.

With Kühner heat exchangers, available heat can be used efficiently in other locations where it is needed – which allows energy costs in the company to be significantly reduced. Heat recovery is meaningful from an ecological perspective as well, because no fossil fuels are burned in order to generate the required heat.

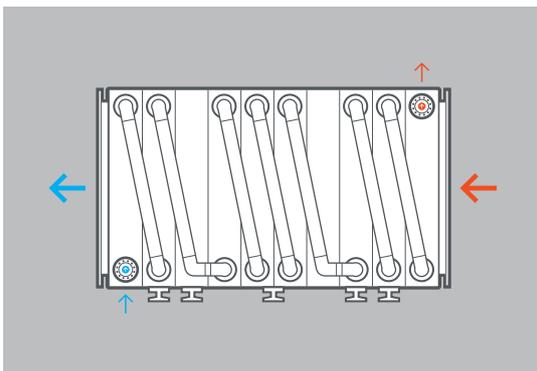
>> Kühner plate heat exchangers Direct heat transfer from gas to gas



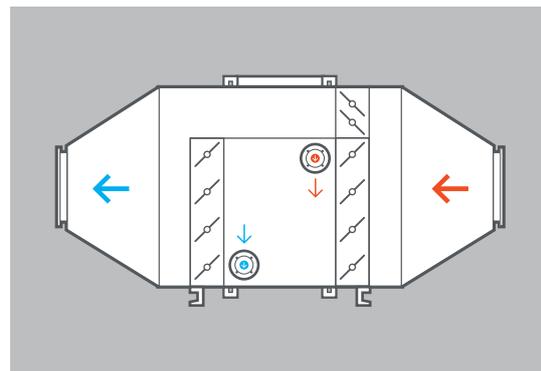
Kühner coil heat exchanger system Heat transfer from gas to gas through a liquid closed loop



>> Kühner exhaust gas heat exchangers Heat transfer from exhaust gas to a liquid heat transfer media



Kühner Ecomomizer Exhaust gas heat exchanger in a housing with dampers and bypass



Fields of application

All exhaust air and exhaust gas flows with a usable temperature level.

Limitations of use

Solutions for maximum temperatures in the range of 550 to 600°C can be realised.

Materials

Not all systems are available in all materials. The following materials are available overall: Steel, high-temperature steel, galvanised steel, stainless steel of various grades, aluminium, copper, titanium.

Implementation versions

Virtually limitless – we will gladly analyse the options with you.