

## Kühner heat exchangers Perfect gas heating and cooling

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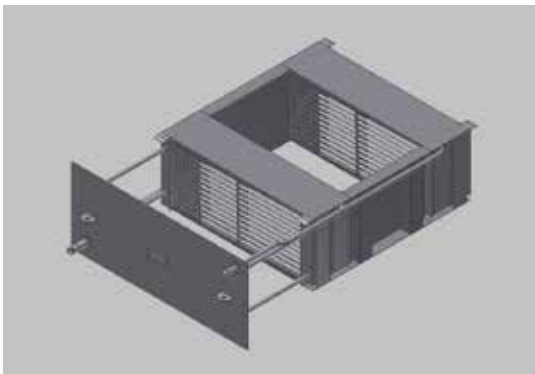
The optimum selection of materials and implementation for any application.

## >> 03 Heat exchangers

Heat exchangers are generally used to transfer heat from one medium to another. Kühner heat exchangers are designed especially for heating or cooling air and gases, with the second medium circulating in the tubes.

Heat exchangers from Kühner are made precisely to measure according to individual requirements regarding temperature, pressure and corrosion resistance. Various materials and tube versions are available for this purpose: plate-fin heat exchangers, plain-tube heat exchangers and finned tube heat exchangers.

### >> Kühner cools nitrogen Installation version with flange plate and segmented heat exchanger



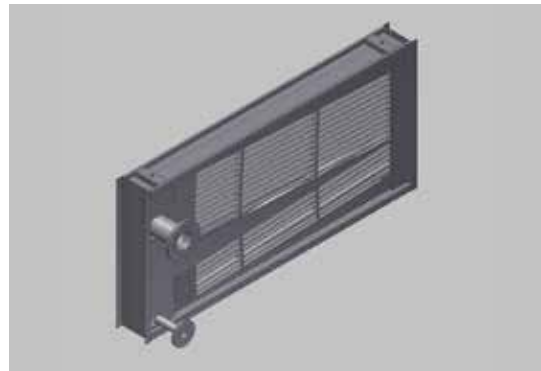
### Kühner dries laundry Heater in circulating air operation for industrial laundry dryer



### >> Kühner recovers exhaust heat Heat recovery in 2-stage, 2-piece housing



### Kühner makes it cosy Air heater for a ventilation system, heating medium steam



#### Fields of application

All applications where a gaseous medium needs to be heated or cooled.

#### Limitations of use

Suitable solutions can be found in the range of -50°C to +550°C. In regards to dimensions, we start with a 120x120mm cross-section for the gas. By segmenting the heat exchangers, very large flow cross sections are possible at the upper limit. Performance ranges from a few watts to several megawatts.

#### Materials

Copper, aluminium, aluminium-manganese, steel, galvanised steel, stainless steel, titanium.

#### Implementation versions

Plain tubes or tubes with plate-fins or fins, various spacing. With housings of various gas tightness levels up to gas-tight. Installation with flange plates, installation with/in frames. Chiller with pan and eliminator available (made of plastic or stainless steel).



Kühner Wärmetauscher  
GmbH & Co. KG

Kornwestheimer Strasse 178  
70825 Korntal-Münchingen  
GERMANY

Phone +49. 7150. 95 65 - 0  
Fax +49. 7150. 95 65 - 99

service@kuehner-waermetauscher.de  
www.kuehner-waermetauscher.de

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