

Kühner materials  
**Flexible for all applications –  
economical in all cases**

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Choosing the right materials ensures effective heat transfer and reduces costs.

## >> 06 Materials

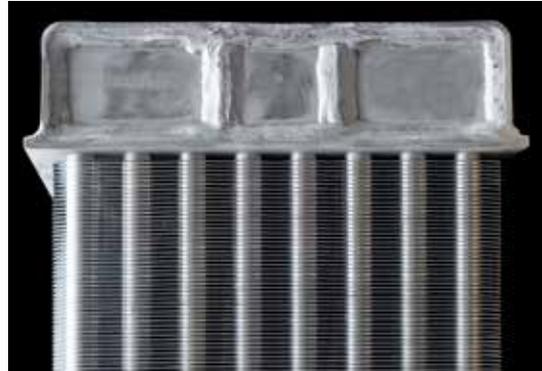
Kühner products meet the highest standards in many different industries and fields of application. With the purposeful selection of materials, we harmonise the individual requirements for heat transfer, corrosion and temperature resistance, mechanical strength and cost.

All Kühner heat exchangers are made exclusively from high-quality materials. The Kühner material matrix provides an overview of what material combinations are the most suitable.

### >> 06.1 Kühner heat exchangers with collectors Collectors and U-bows distribute the medium in the tubes



### 06.2 Kühner heat exchangers with chambers Chambers of various geometries distribute the medium



06.1 Tube	Fin							
	Copper	Copper-Zinn	Aluminium	AlMg	ALep	AlHy	AISI 304L / 1.4306	AISI 316L / 1.4404
Copper	X	X	X	X	X	X	X	X
Aluminium	X	X	X	X	X	X	X	X
AISI 304L / 1.4306	X	X	X	X	X	X	X	X
AISI 316L / 1.4404	X	X	X	X	X	X	X	X
Titan (grade II - ATSM B338)	X	X	X	X	X	X	X	X

06.2 Tube	Fin			
	Steel	Aluminium	1.4301 / AISI 304	1.4571 / AISI 316Ti
Steel	X*	X	X	X
1.4301 / AISI 304		X	X	X
1.4571 / AISI 316Ti		X	X	X

\*With hot-dip galvanising of the entire heat exchanger, not just the tubes and fins