

Heat exchanger

Heat exchangers, evaporators, condensers

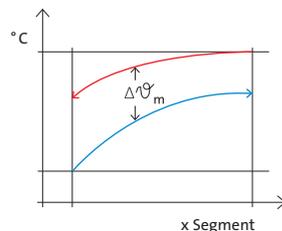
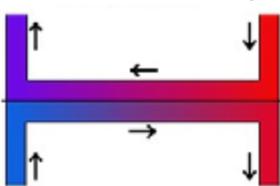
You formulate your requirements and provide your data on medias to KASAG Swiss AG. We then take on the thermal and hydraulic design of the heat exchanger that you want (pipe bundle heat exchangers, double pipe heat exchangers and spiral tube heat exchangers). This is then instructed on the basis of existing drawings or of complete engineering. Our range of materials extends from stainless steel through to special materials. KASAG provides all of the processes necessary, such as the orbital welding process for the manufacture of heat exchangers. With KASAG, you retain permanent flexibility.



Terminology

Colloquially, heat transfer systems also refer to equipment which exchanges or swaps out heat.

Counter-flow heat exchanger



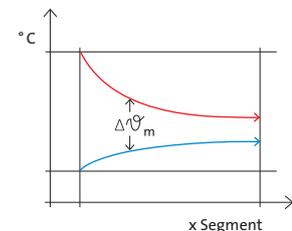
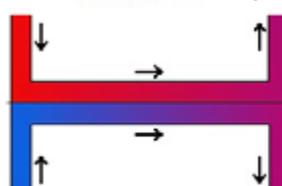
ΔT_m Median temperature difference

In **heat transfer systems**, materials flowing in a counter current flow past each other in an accommodating manner. This enables the exchange of temperatures in the flow mediums so that the originally cold medium absorbs the temperature of the originally hot medium, and vice versa.

Condensers are apparatuses in which a substance is converted from a gaseous state into a liquid.

Evaporators are equipment for converting a liquid into a gas.

Parallel-flow heat exchanger



ΔT_m Median temperature difference

In **parallel flow heat transfer systems**, the substances flow side-by-side, in the same direction. Their temperatures adjust to each other, and their values always lie between the initial temperatures.

Certifications, manufacturer approvals

ISO 9001 / ISO 3834-2

PED (EN13445 / AD-2000)

ASME (U-Stamp, Code Section VIII Div. 1)

China Stamp (A1), China License

TP TC 032/2013 (EAC), Customs Union

In addition to our existing manufacturing approvals, we are able to perform the respective approval procedures for almost every country around the world (e.g. Singapore, Japan, Malaysia, Canada, etc.).