UniGasket

High quality - High performance gasketed plate heat-exchanger

UNEX HEAT EXCHANGERS

Ideal for use in

- Heating engineering
- Product cooling / heating
- Heat reclamation
- Food technology
- Many other uses

Heating engineering
- long-distance heating technology
- industrial water preparation
- swimming pool engineering
- refrigeration

Product cooling
Product heating
- chemical industry
- coating technology
- pharmaceutical industry
- process engineering
- BioFuel production

Heat reclamation
- laundry
- sewage engineering

Food technology
- preheater
- chiller
- deep-cooler
- pasteuriser
- heat-recovery

Other uses
- to find out about other uses for UniGasket please contact your UNEX partner.

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General

High performance plate type heat-exchangers consist of a number of formed, sealable heat-exchange plates according to the respective requirements. The alternating pressed plates and channel spacing cause highly turbulent flow behaviour, optimal self cleaning effect and highest possible heat transfer.

Use of high-grade materials such as titanium, titanium palladium, highly alloyed steels and even a UniCarb carbon/graphite version help ensure UniGasket heat-exchangers are extremely economical compared to other heat-exchanger types. The plates are clamped to a rack between frame plate and pressure plate by means of clamping bolts.

Special types of UniGasket

UniGasket - Doublewall

Doublewall heat-exchangers consist of twin-skinned pressed plates, forming a narrow safety gap. Should break-through and leakage occur, the medium escapes into the safety channel, preventing contamination of the secondary circuit.

UniGasket - Semiwelded

In partially welded heat-exchangers, plate pairs are welded together. This is particularly suitable for applications where one of the circuits is caustic.

UniGasket - Freeflow

Freeflow heat-exchangers are plate heat-exchangers having larger plate gaps without restrictive supports making them suitable for mediums with particles.

Summary

- pressure from vacuum up to 25 bar
- high heat transfer coefficient
- compact design
- selectable pressure drop
- heat transfer surfaces 0.8 - 600m²
- suitable for wide range of fluids
- construction for individual applications
- plate thickness 0.4 - 0.9mm
- usable in temperatures -20 °C to 155 °C
- low logarithmic temperature differences
- low weight compared to tubular heat-exchangers
- good self-cleaning, due to high media velocities
- suitable for parallel use
- wide range of fittings
- use as heat-exchanger, condenser or evaporator
- wide range of construction materials

Product range

UNEX has solutions for all heat transfer requirements.
Included in the UNEX range:

- UniBraz - brazed plate heat-exchangers
- UniTwist - corrugated tube heat-exchangers
- UniAir - finned heat-exchangers
- UniCompact - spiral tube heat-exchangers
- UniWeld - fully welded heat-exchangers
- UniSystem - combined heat-transfer solutions

To discuss your exact needs, please contact your UNEX partner.

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