

UniCompact

High quality - High performance spiral tube heat-exchanger



Ideal for use in

- Chilled water systems
- Heating systems
- Ground water systems
- Residential use
- Many other uses

Chilled water systems

- condensers
- evaporators
- refrigeration
- after-cooling

Heating systems

- community remote heating networks
- swimming pool water treatment
- floor heating systems
- warm water preparation

Ground water systems

- sub-terranean heat recovery

Residential use

- heating systems
- waste water heat recovery

Other uses

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

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General



The UniCompact is a very versatile heat-exchanger, suitable for use in wide ranging applications, including liquid, gas and steam. The sealed units require no maintenance and the robust construction and variety of materials ensure a long service-life.

The choice and design of the right UniCompact for your requirements will be calculated for you by an expert at UNEX.

Thousands of these heat-exchangers have already been supplied and are reliably in use around the world.

Depending on your needs, the UniCompact can also be delivered with fixtures, fittings, connections and insulation.

Construction

The UniCompact range of heat-exchangers are designed and built to take advantage of highly efficient smooth, spiral and helically corrugated tube bundles.

Tube bundles are welded to tube sheets, which are integrated in nozzles at the connection flanges. Vessels are made of cylindrical shells, which are enclosed by hemispherical heads on both ends of the heat-exchanger. The nozzles are placed symmetrically on both heads.

The optional use of titanium increases the range of process including caustic and aggressive liquids, gasses and steam that can be treated by the UniCompact.

Summary

- pressure from 0 to 25 bar
- high heat transfer coefficient
- compact design
- good self-cleaning, due to high media velocities
- heat transfer surfaces 0.3 - 57 m²
- usable in temperatures -20 °C to 250 °C
- construction for individual applications
- low pressure drop
- low maintenance
- good performance for gas, steam or fluid

UNEX has solutions for all heat transfer requirements.

Included in the UNEX range:

- UniBraz - brazed plate heat-exchangers
- UniTwist - corrugated heat-exchangers
- UniAir - finned heat-exchangers

- UniGasket - gasketed plate heat-exchangers
- UniWeld - fully welded heat-exchangers
- UniSystem - combined heat-transfer solutions

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

Product range