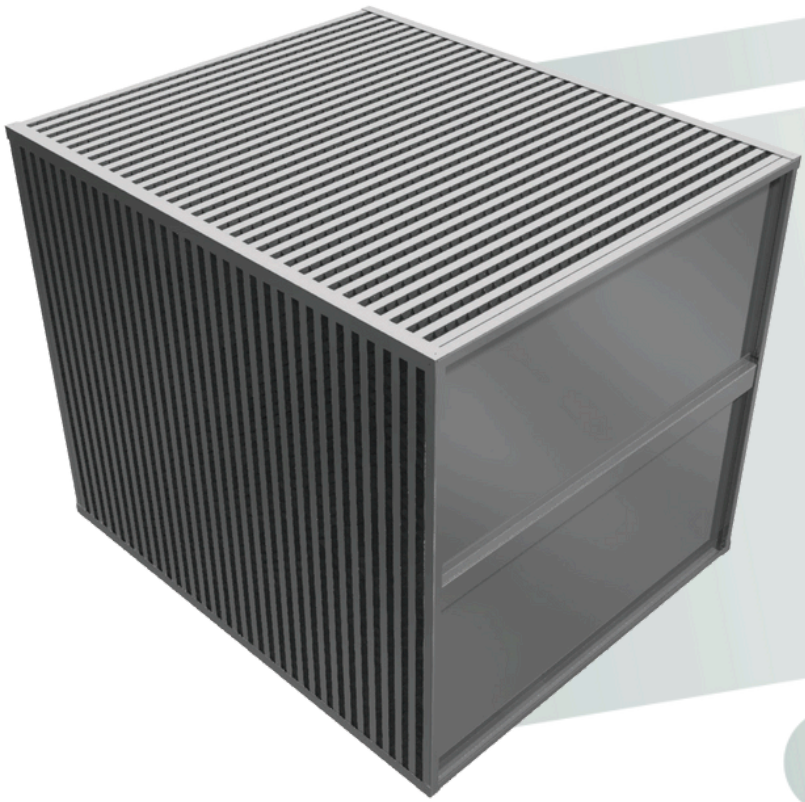
PLATE HEAT EXCHANGERS

CROSS-FLOW PLATE HEAT EXCHANGER

DAV. Plate



About Plate Family

DESCRIPTION

A cross-flow plate heat exchanger [CFPHE] is used in systems that require heat to be transferred from one stream to another.

CFPHE is made of thin metal panels, normally aluminium alloy or stainless steel.

The thermal energy is exchanged via the panels keeping the streams separate. Are frequently used in climatization and ventilation systems such as heat recovery installations in large canteens, hospitals and in the food industry.

The modularity of CFPHE allows to place more elements in series, creating a counter-current exchange system that can reach efficiency levels up to 90% with lower costs than other types of exchangers.

ADVANTAGES

- Corrision resistant materials
- High efficiency by small sizes
- Modular design

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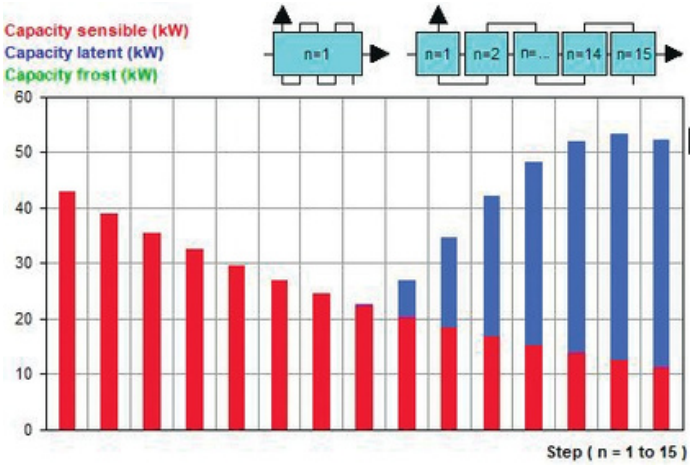
Efficiency

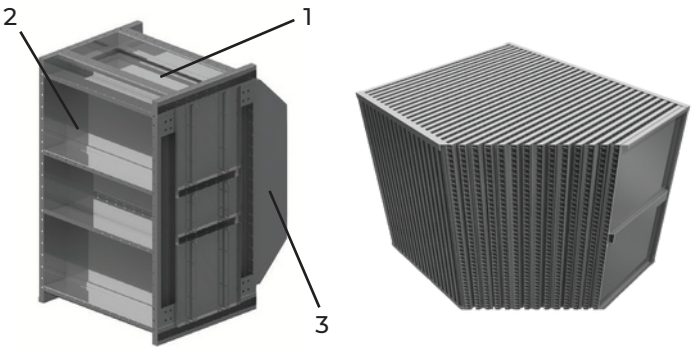
Can work in condensation



Economizer: recovers sensible heat

Condenser: recover both sensible and latent heat

Modularity



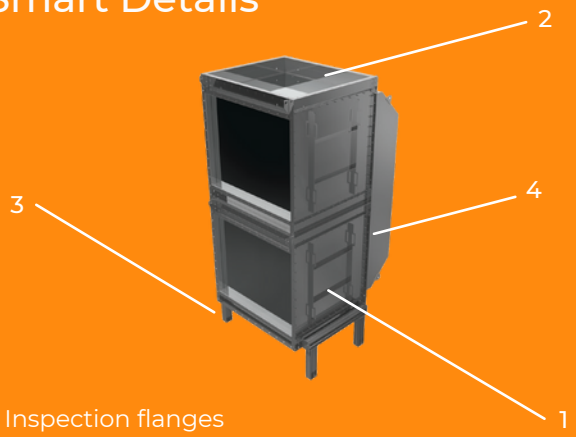
1/ Cleaning system (optional)
2/ DAV Plate
3/ Inversion duct (on multiple cross-flow models)

Materials

- St. steel AISI 304
- St. steel AISI 316L
- St. steel AISI 316Ti
- St. steel AISI 321
- St. steel AISI 309
- Alluminum
- Alluminum Alloy

*other options available on request

Smart Details



1/ Inspection flanges
2/ Removable cartridge heat exchanger
3/ Support structure
4/ Inversion duct

Applications

- Food & Beverage
- Farming & Greenhouse
- Chemical
- HVAC
- Refrigeration
- Depuration
- Dryer
- Offshore plants

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