

**Flat-panel heat exchangers out of stainless steel AISI
304/316/321 with a wall thickness of 0.3 mm.
The best European innovation of 2018.**

ISO 9001-2015

TUV



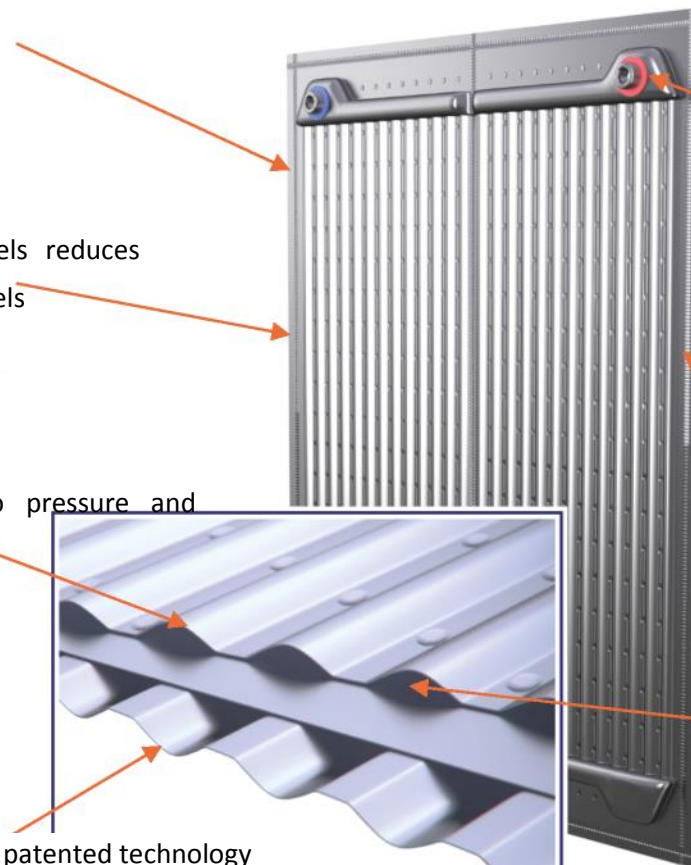
Innovative Heat Exchanger -Design features

100% stainless steel
0.3 mm thickness

The profile of the channels reduces
cavitation within the channels

Flat membrane design
The body is resistant to pressure and
temperature changes

Squeezed channels on the patented technology
It does not violate the structure of the sheet and resist
to micro cracks formation



Patented design of fittings

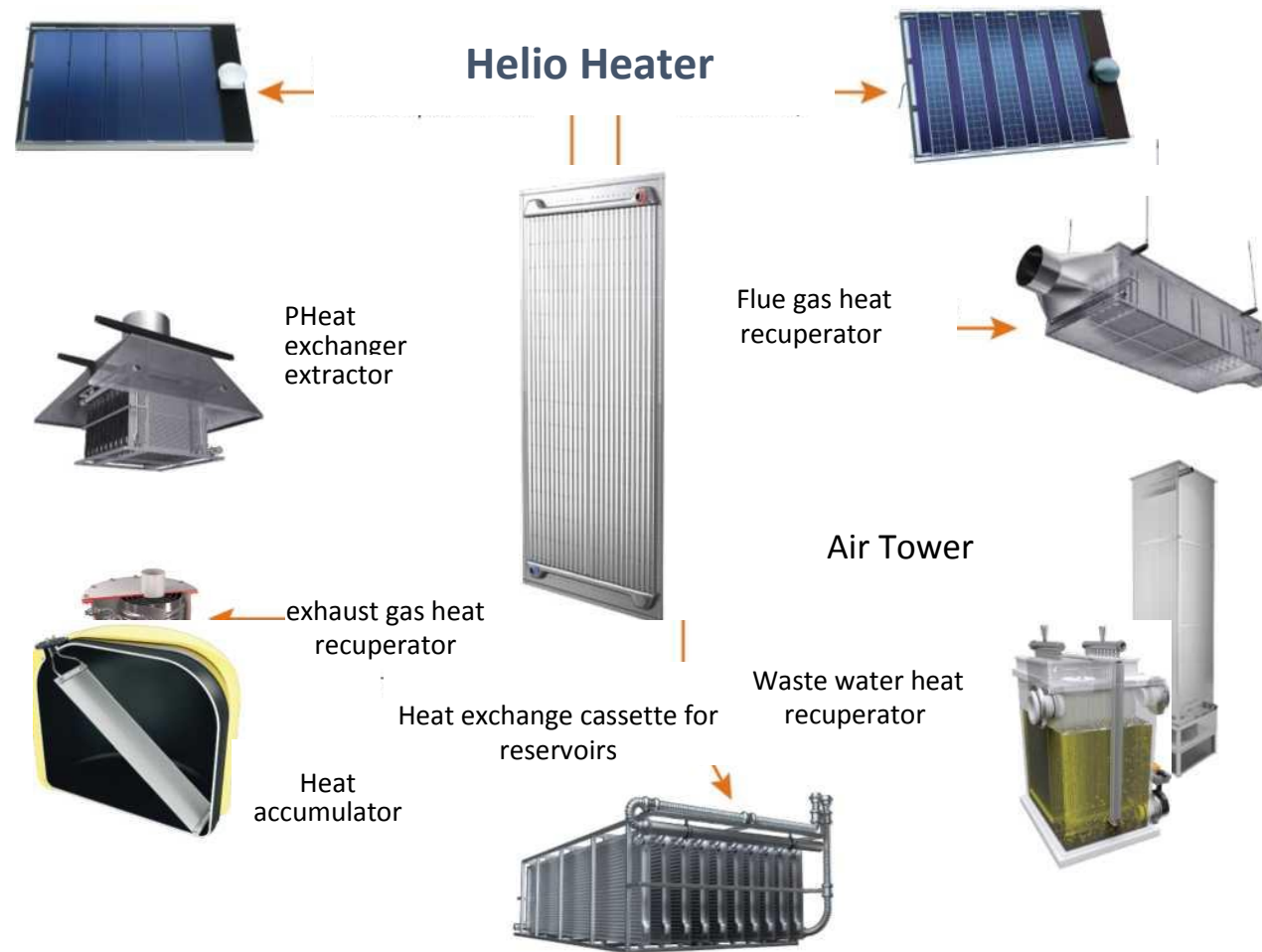
The adjustable design allows you to bring
the heat carrier from any convenient
direction

Electrical contact welding of the housing

It does not violate the structure of the alloy
and retains its anti-corrosion properties

Small specific volume of the heat carrier
Low inertia, high efficiency

Scope of application



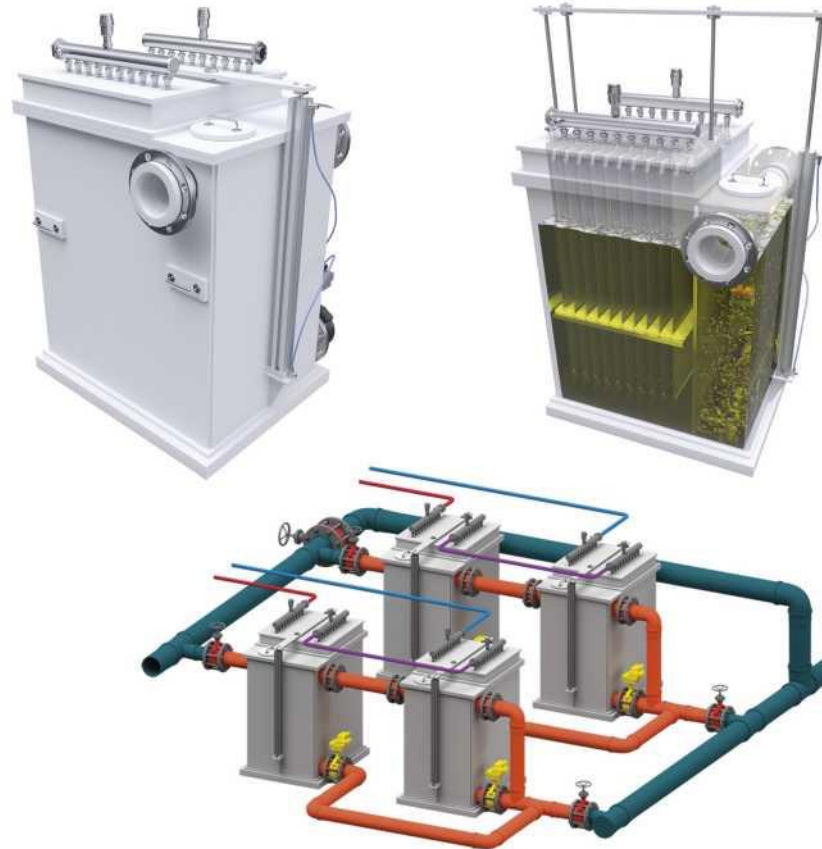
Heat exchange cassette for reservoirs

- Module peak power up to 2000 kW



- Applicable with various aggressive media (acids, alkalis, waste water)

Air Heat Exchangers - flue gas heat recuperators are flat stainless steel heat exchange panels. They are installed directly in the chimney of any type. To increase the power, it is possible combining multiple panels into cassettes. The smoke residual sensor is installed under hood. The temperature sensor is installed under the chimney hood.



Overall dimensions:

Width: 160 mm Height: 670 / 1000 / 2000 mm

Weight of the structure assembly: 0.53 / 0.8 / 1.6 kg Weight with heat carrier: 0.75 / 1.1 / 2.2 kg

Heat exchanger type: U. 67-16.12 ... U. 200-16.12 Number of panels: 1-4

Max, power (with one 3.35 / 5 / 10 kW heat exchanger):

Connection: 1/2" (12 mm)

Operating temperatures: -25°C ... +300°C Peak temperatures: -50°C ... +600°C

Operating pressure: 3 bar Peak pressure: 4 bar

Material of Stainless steel heat exchangers: AISI 321, 304, 316

Type of heat carrier:

- Ethanol
- Propylene Glycol
- Ethylene Glycol
- Water

Waste Water Recuperate



- Resistant to aggressive wastes
- Remain effective even with significant contamination
- Protected from overflow
- Easy to disassemble and maintain

Wastewater heat recuperators are organized in a separate well on the way of laying the waste pipe. As close to the building as possible. One or more heat exchange panels in the assembly, a drainage pump and a drain temperature sensor are immersed in the well. Depending on the number of panels in the assembly, the recuperators differ in power.

Overall dimensions:

Width: 500 mm

Height: 1000 mm

Weight of the structure assembly: 2.4 kg

Weight with heat carrier: 3.3 kg

Heat exchanger type: U. 100-50. 12

Number of panels: 1-2

Maximum power of one panel: 15 kW

Connection: 1/2" (12 mm)

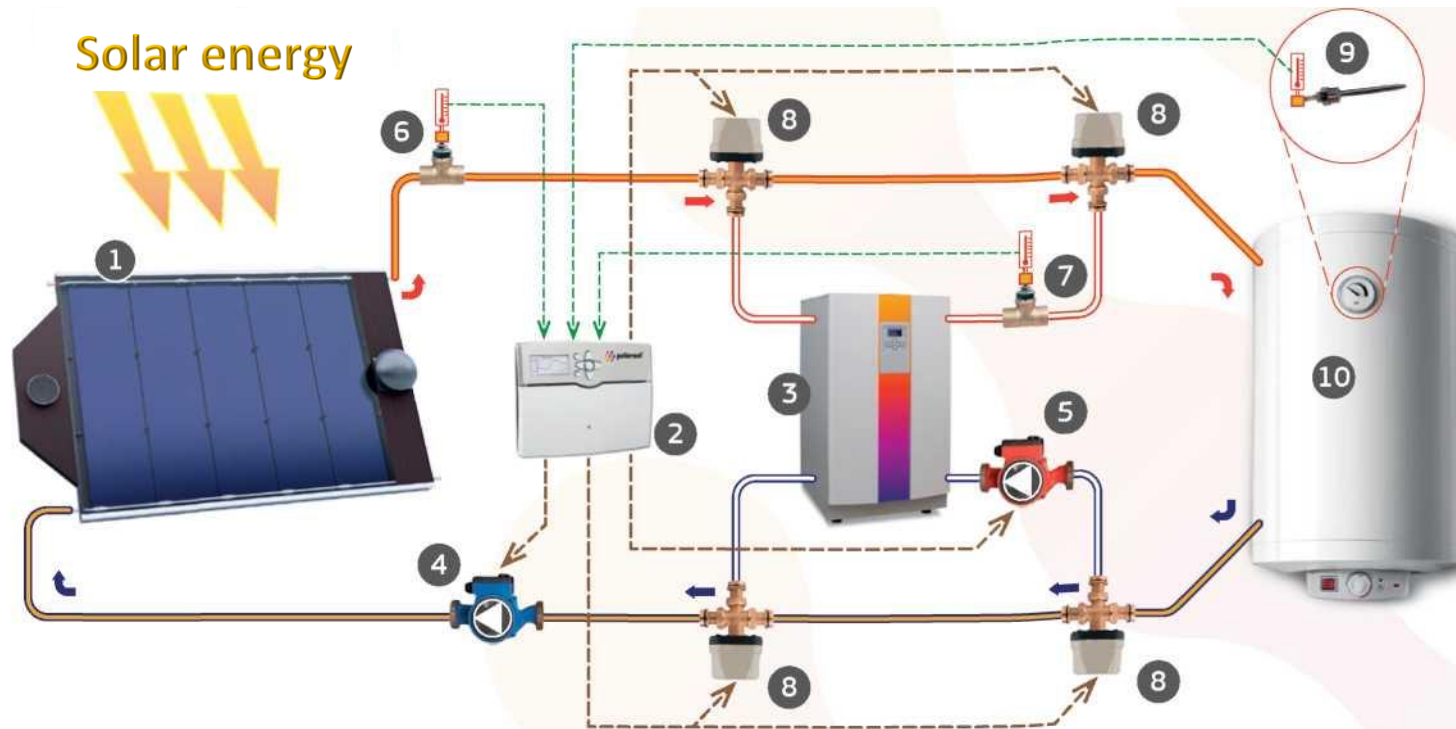
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1. Solar Recuperator
2. BASIC Control Unit
3. Heat Pump
4. Electric Circuit Pump (Cold Contour)
5. Electric Circuit Pump (Hot Contour)
- 6-7. Temperature Sensor (Cold Contour)
8. High Temperature Sensor
9. Boiler Temperature sensor

Universal heat exchanger made of corrosion-resistant steel



- * Heat exchange with liquid and gas media
- * Thermal radiation absorption
- * Works effectively with polluted and aggressive environments
- * Withstands pressure surges and mechanical impacts
- * Withstands high temperature

Excellence in Heat Management

