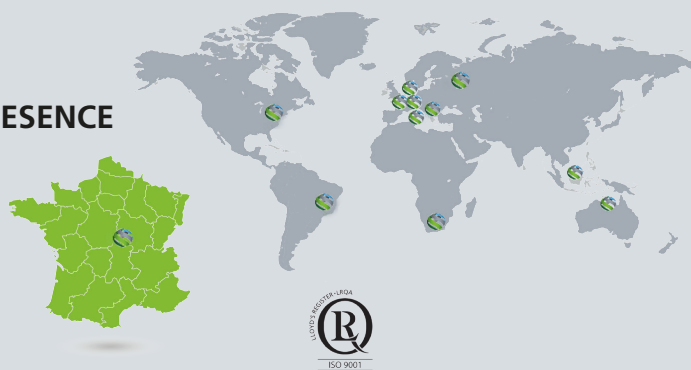


Listening, reactivity and a continuous follow up are at the core of our business relationships.

Experience and motivation of Nexson Group are the strengths which enable us to always bring you the best professional support in your industrial projects.

THEY TRUST US

GLOBAL PRESENCE



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OUR COMPANY

Nexson Group located in Burgundy (France)

Rich with more than 30 years of experience in design and manufacturing of various welded heat exchangers and pressure vessels, Nexson Group covers a large range of processes and applications such as Refinery, Oil & Gas, Petrochemicals, Coke Oven, Gas & Steel...

- Self Cleaning
- Single Channel
- Reliability
- Easy access



Lets us build
the Performance
of your Processes



Lets us build
the Performance
of your Processes



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the Performance
of your Processes



SPIRAL PLATE HEAT EXCHANGER TYPE 1 LIQUID-LIQUID

Thanks to its specific design, the liquid heat exchanger can handle one or two fouling fluids. Both channels are easy to access for inspection and cleaning. Your alternative to the shell and tube heat exchangers.



SPIRAL PLATE HEAT EXCHANGER TYPE 2 BI-PHASIC

The vapour circulates, cross flow, in a fully opened channel, with negligible pressure drop and the coolant circulates in a closed spiral channel. The fluid to evaporate circulates in an adjusted channel gap, fully opened, that allows working with fouling fluids.



SPIRAL PLATE HEAT EXCHANGER TYPE 3

The Spiral Plate Heat Exchanger, in steam Heater mode, is commonly used to heat a fouling, viscous fluid by using steam. The steam circulates in an opened channel on the complete width of the unit (cross flow), and the heavy fluid is circulating in spiral flow in the 2nd channel to get the best of the Spiral Plate Heat.



SPIRAL PLATE HEAT EXCHANGER TYPE 1 HIGH-PRESSURE

Thanks to its specific design, the liquid heat exchanger can handle one or two fouling fluids. Both channels are easy to access for inspection and cleaning. Your alternative to the shell and tube heat exchangers. This SPHE model is specifically designed to handle up to 200 barg / 450°C for tough applications.



SPIRAL PLATE HEAT EXCHANGER TYPE 2 COLUMN

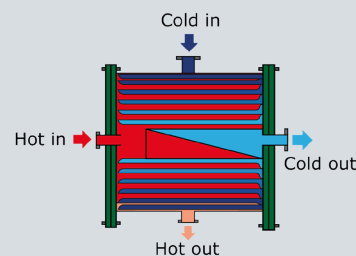
The vapour circulates, cross flow, in a fully opened channel, with negligible pressure drop and the coolant circulates in a closed spiral channel. The column is made of several spiral heat exchangers welded in series in the same shell to achieve large condensing duties. Its is perfectly suitable for vacuum condensation with negligible pressure drop.

APPLICATIONS

- All fluids types containing fibers, particles, sludges..
- Steam / Slurry heater

BENEFITS

- Negligible pressure drop
- Easy access for inspection & maintenance
- Low operating cost

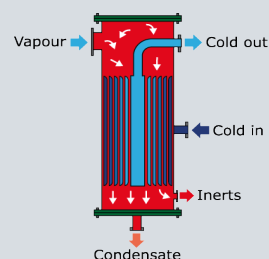


APPLICATIONS

- Heat recovery
- Heater
- Cooler
- Interchanger

BENEFITS

- Energy saving
- Self cleaning effect
- Easy access for inspection and maintenance
- Low operating cost
- Compact size and robustness
- Possibility to handle up to 200 barg / 450°C



APPLICATIONS

- Vacuum conden
- Overhead condenser
- Gas cooler
- Reflux condenser
- Vent condenser
- Steam heater

BENEFITS

- Negligible pressure drop
- Customized design
- High vapour flow
- Low maintenance cost
- Condensation under vacuum
- Column mounted



SLUDGE HEAT EXCHANGER

Sludge spiral heat exchangers are specially designed for digester sludge heating and heat recovery applications, such as digested sludge heating, raw sludge heating and heat recovery from effluents, pasteurisation, etc. It is made of two concentric channels, the spacings and width are controlled by special guideways and chosen in accordance with customers requirements.

APPLICATIONS

- Digested sludge heater
- Raw / digested sludge economiser
- Pasteurizer
- Effluent energy recover

BENEFITS

- Energy saving
- Self cleaning effect
- Easy access for inspection and maintenance
- Low operating cost