

SHELL & TUBE HEAT EXCHANGER



Geurts International B.V. was founded in 1963. Since that time the company has gained extensive experience, knowledge and expertise in the field of heat exchanging equipment & heat transfer solutions.

We design and manufacture heat exchanging equipment for a variety of industries such as

Petrochemical/Chemical, Power generation and Energy. Heat exchanging equipment can be specifically designed to suit customer's requirements like highly corrosive, high temperature up to 1100 degrees or high pressure applications.

HEAT EXCHANGERS

SHELL & TUBE

Shell & tube heat exchangers can be designed and manufactured in a variety of configurations with straight tubes, with U-tubes, with removable bundles, or floating heads. The wide selection of available materials allows us to design for a wide range of applications, from very simple low pressure low temperature non corrosive media to highly corrosive media at high pressures and high temperatures.

Material can range from all carbon steel, carbon steel with stainless steel internals all stainless steel, titanium internals or higher alloys. Our heat exchangers are usually manufactured in accordance with PED 97/23/EC, and other design codes like the ASME VIII boiler & pressure vessel code are also part of knowledge. Construction can be done according to TEMA.

EXAMPLE FLUE GAS APPLICATION

In general applications like flue gas cooling, shell & tube heat exchangers are often used in combination with engines or generators.

EXAMPLE NATURAL GAS HEATING IN GAS EXPANSION STATIONS

Gas pressure has to be reduced to a lower level. During expansion the gas temperature drops (Joule/ Thomson effect) and needs to be raised before use. Shell & tube heat exchangers with an U-type bundle are often used in this application.



EXAMPLE BIOGAS APPLICATION

Shell and tube heat exchangers are used to condensate the excess water from the biogas and reheat the biogas to prevent condensation in the feed line to the engine.



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