

Heat Exchangers

From engineering to production ...

Type S WELDED PLATE AND SHELL HEAT EXCHANGER

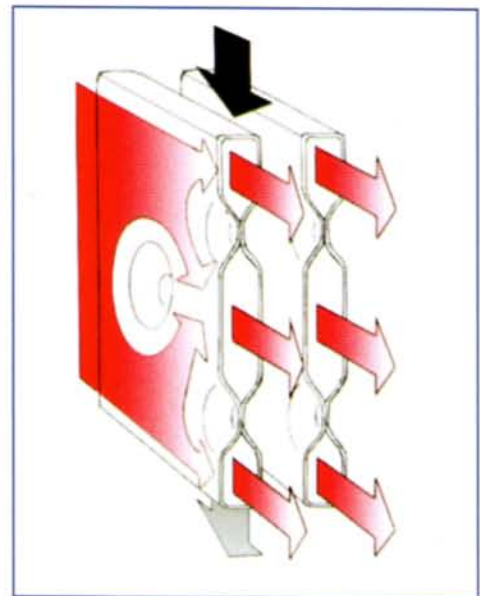


CE

- The performance of plate heat exchangers,
- The reliability of tubular heat exchangers,
- Self floating U plates for cyclic use.

Original design, simple technology, and extremely reliable:

The type "S" exchanger is made from a bundle of welded dimpled plates, inserted into a shell. The junction between the shell and the bundle is made via a link plate as on a tubular exchanger.



Extremely simple, a large range of possibilities:

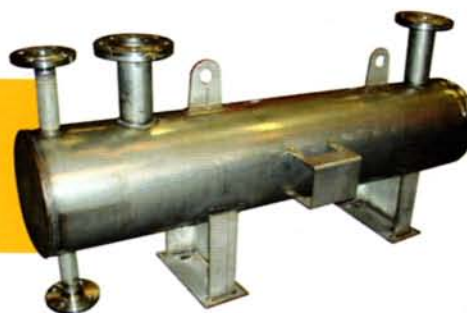
As with a tubular exchanger, shell-side circulation can take place via a set of transversal baffles or even flow parallel to the bundle using a sleeve.

As such, the "S" type welded dimpled plate and shell exchangers are designated by analogy to tubular exchangers according to the type of front box and shell type.

The 3 main configurations are:

Type S-CFU :

Entirely welded construction, very compact and extremely safe owing to being totally gasket-free.



Type S-BFU :

The plate side is entirely welded; the bundle being removable, the shell side can be mechanically cleaned.



Type S-DFU :

The bundle is extractable, and the front box can be removed. The shell side is perfectly cleanable by mechanical means.

The plate side can be opened for inspection.

Very rapid bundle or plate replacement is possible.



Selection criteria:

Compact design 100 m²/m³-1.0 m x 3.0 m floor space for 200m²

Exchange surface from 0.33 to 200 m²

Maximum pressure 25 bar plate-side, 40 bar shell-side

Maximum temperature 350°C

Mechanical cleaning on 1 circuit.

All welds can be inspected

Monophase, condensation or evaporation operation

Construction per all codes

Stainless steel, duplex or nickel alloy construction (Hastelloy C 2000® / C 22)

Fabrication according to european norm (PED 97/23/CE)

10 years expertise ...



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