



Sondex »Sonder Safe« Plate Heat Exchanger

ADVANTAGES:

Safety:

The Sondex Sonder Safe-System ensures that there is always an air gap between two plates. A leak in one of the two plates will result in the product leaking to the atmosphere either between the two plates or from the drain channels in the inlet/outlet areas. This ensures that the two media never mix.

Choice of material:

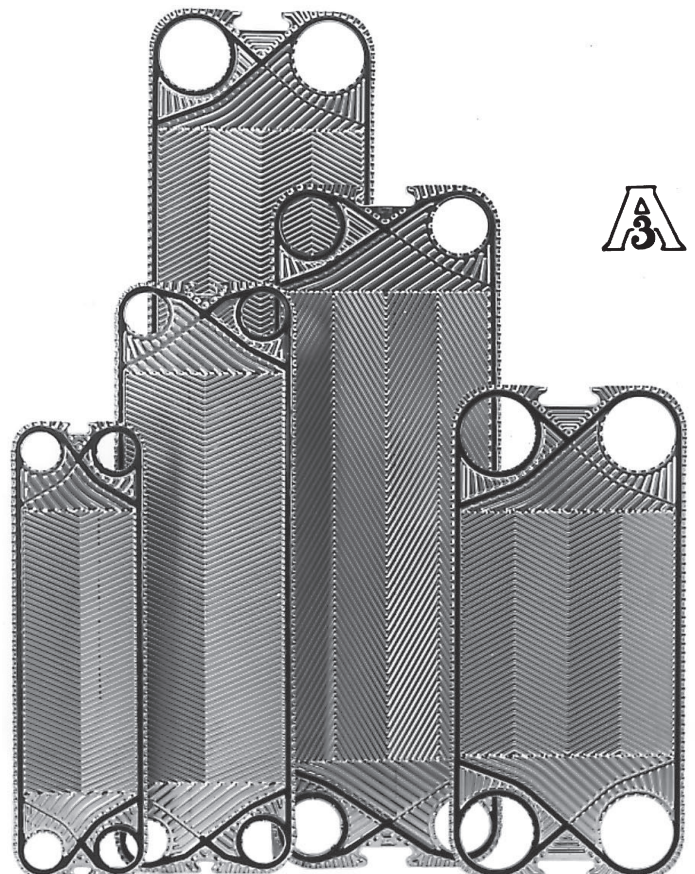
It is possible to use one or two different plate materials in one plate pair i.e. titanium/AISI. This drastically reduces material cost and sales price. Gaskets are available in NBR, EPDM, and VITON.

Visual inspection:

Since no welding is applied the Sonder Safe double plate system visual enables inspection of internal leaks from outside.

Areas of application:

- Milk and cream pasteurization
- Sanitary water for food processing
- Water for medical injection/ultra pure water
- The nuclear industry for safety reasons
- District heating/tap water
- Engine cooling



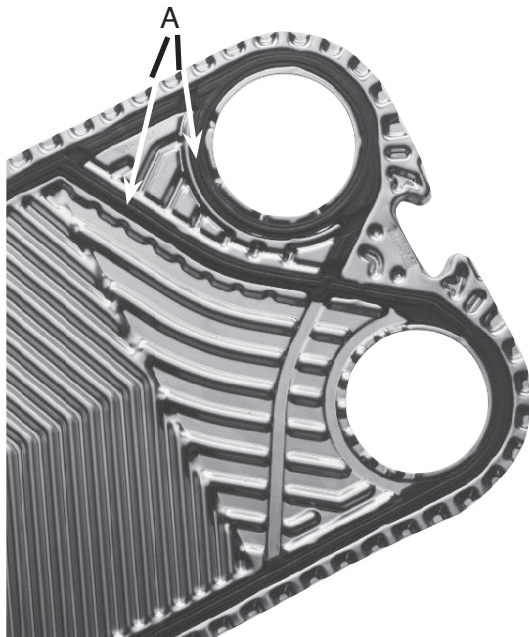
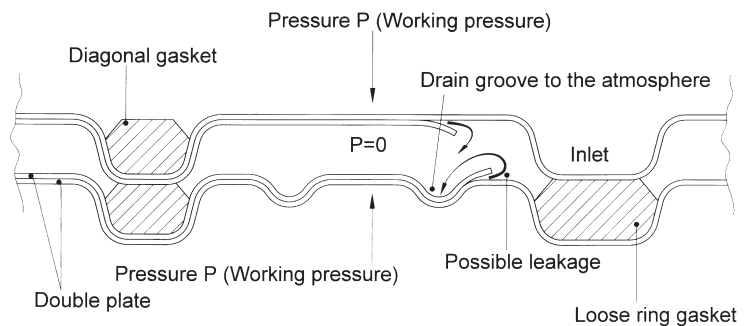
Design and construction:

The Sondex Sonder Safe plate heat exchanger differs from the previous known double-wall type, all welded or sealed by gaskets, by the way a possible leak can be detected. This is especially the case in the inlet/outlet areas of the plate heat exchanger where the traditional double parts hardly or at least very difficult will allow any internal leaks from outside the plate heat exchanger to be seen.

The Sondex Sonder Safe-System consists of two thin flow plates stamped together or separately. The two plates form a pair of plates which allows possible leaks to be seen from outside between the two plates. This ensures that no mixing of the primary and secondary fluids takes place, but gives a warning about an internal leak. The two plates will slightly be held together by the patented Sondex hanging system which also guarantees an easy assembling/disassembling.

Sketch
"Sondex Sonder Safe"

(Inlet/Outlet parts)



The Sonder Safe plate pair system gives as the only double plate an extra safety by the design of the double plates with leak channels to the atmosphere. This ensures an instant and readily visible trace of possible leaks as a warning that corrective actions should be initiated.

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