



Heat Exchangers

From engineering to production ...



Solutions
for
sugar industry

Sugar industry

A Traditionnal gasketted plate heat exchanger

Heating / cooling thin juice, condensate, syrup, light sewage, vinasses...

Application: Lightly charged or clean fluids.

Range: 35 different plate size, from 0.04 up to 2.5 m²/plate, up to DN500.



B SPIRAL heat exchanger

Heating of raw juice, limed juice, thin juice, with condensate or pan vapour, cooling of syrup.

Application: To replace in place your old unit without modifying the environment.

Access: Both channel equipped with cover, one side leading to the other as option for one channel.

Performance: Ideal counter current flow, channel uniqueness.

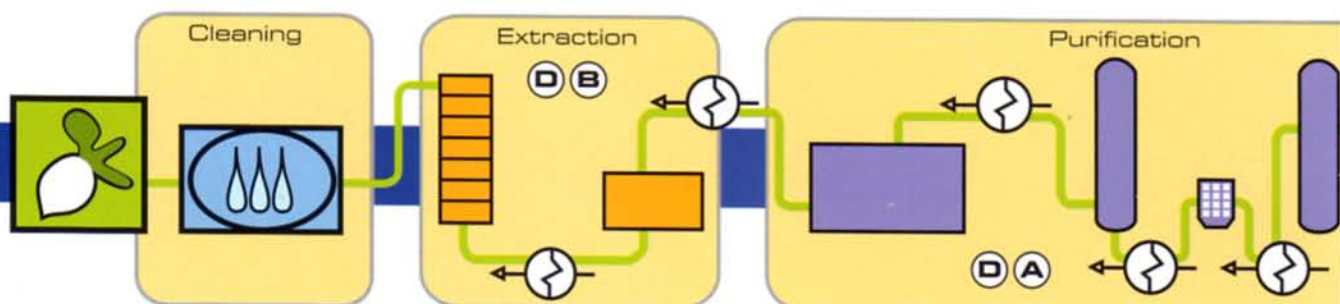
C Shell and tube heat exchanger

Heating of raw juice, juice evaporator.

Application: everywhere space requirements are not critical !

Access: Juice on tube side, easy cleaning.

Performance: No thermal expansion problem, high reliability, improvement thanks to tube corrugation.





Welded plate heat exchanger HEATEX®



Heating of raw juice, limed juice, thin juice, with condensate or pan vapour, cooling of syrup.

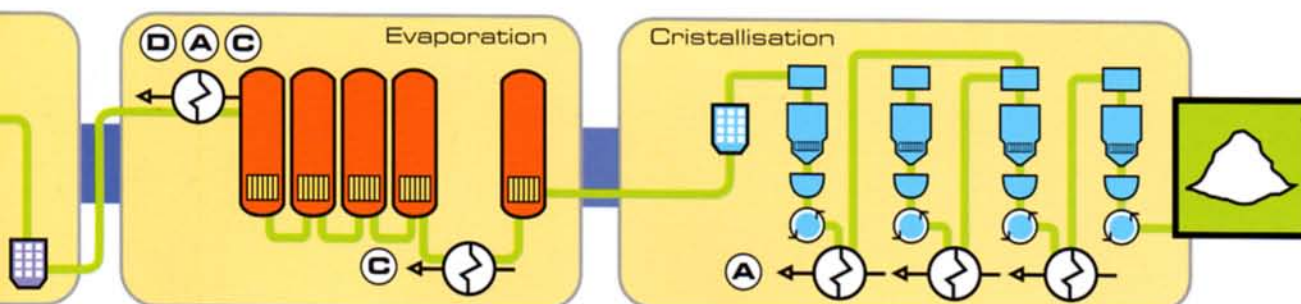
2 solutions, HXE type or HXS type

HXE type - the free gap channel solution !

Application: Cooling / heating of highly charged fluids.
 Access: 2 doors fitted with hinges. Free gap high spacing channel, avoiding blocking.

Type HXS - the spiral heat exchanger made on rectangular !

Application : Cooling / heating of highly charged fluids.
 Access: 4 doors fitted with hinges.
 Channels equipped with spacers making free the design on each self resistant to pressure side.
 Performance: High coefficient (increased by spacers on HXS type +20 %/HXE type).
 Compactness (75 m²/m³ 500 m² on 1,7 x 1,7 x 1,9).
 Easy mechanical cleaning thanks to hinges (one channel takes 2 hours for bigger units).



Some references

Beghin Say : Chevrières / Sillery /
Chalons en Champagne / Connantre Nantes /
DRC Morains-le-Petit / SDA Origny /
Raffinerie Tirlemontoise : Sucrierie Genappe /
Sucrierie de Frasnes / Sucrierie d'Arcis sur Aube /
Sucrierie de Bettenville.

10 years expertise ...



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