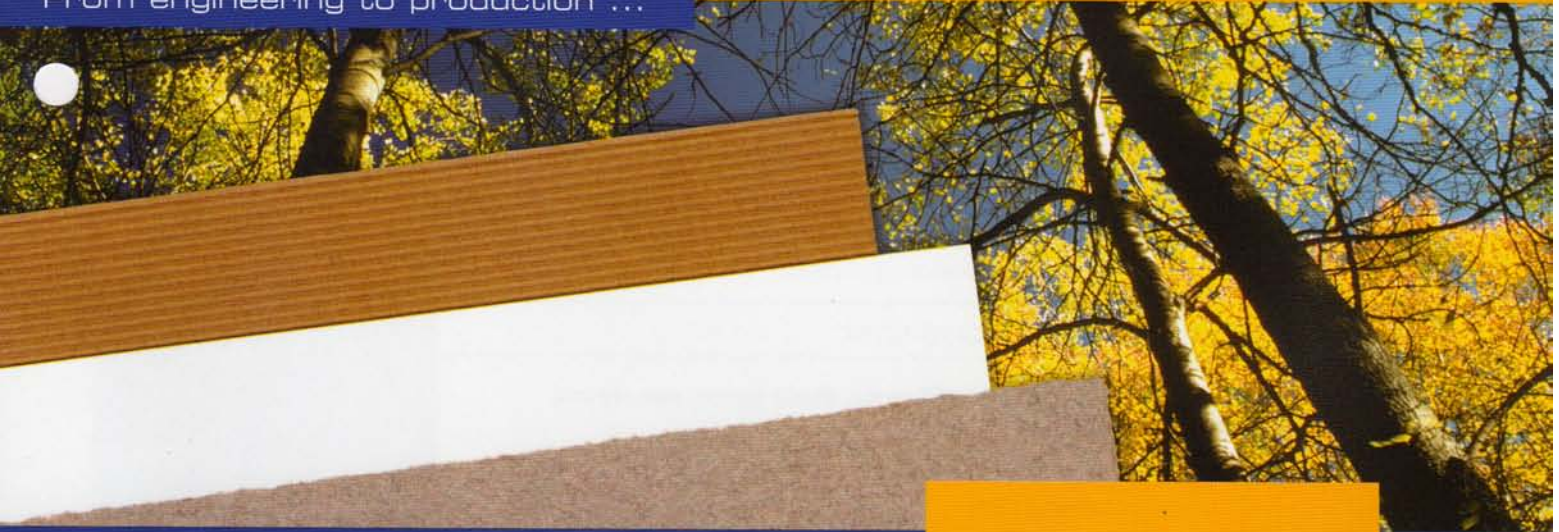




## Heat Exchangers

From engineering to production ...



Solutions  
for  
paper industry

Paper  
industry

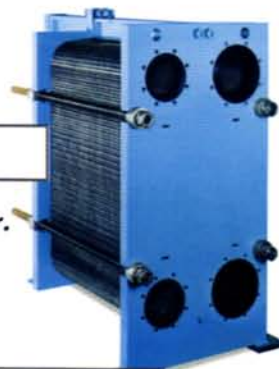
# Heat exchangers for paper industry...

## Traditionnal gasketted plate heat exchanger

**Heat recovery on light filtrate, on condensate, heating/cooling of engine oil, of water.**

Application: Lightly charged or clean fluids.

Range: 35 different plate size, from 0.04 up to 2.5 m<sup>2</sup>/plate, up to DN500.



## "S" Type or HEATEX® welded plate heat exchanger

**HEATEX®: Heat recovery, heating/cooling effluents, white liquor, pan steam, water containing fibres.**

**"S" Type : Triturating water heating.**

Application: HEATEX®- Cooling / heating of highly charged fluids.

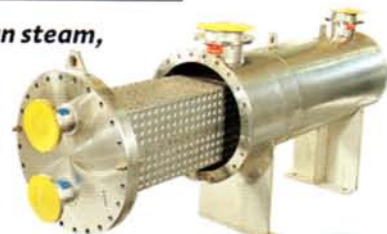
"S" Type - Cooling / heating of highly charged fluids in one side.

Access: HEATEX®- 2 or 4 doors fitted with hinges allowing fast mechanical cleaning. Channels with high spacing, free gap, avoiding any blocking.

"S" Type - Removable bundle, hand hole.

Performance: HEATEX®- high coefficient, low pressure drop, compactness.

"S" Type - high coefficient, low pressure drop, compactness, self floatting plates.



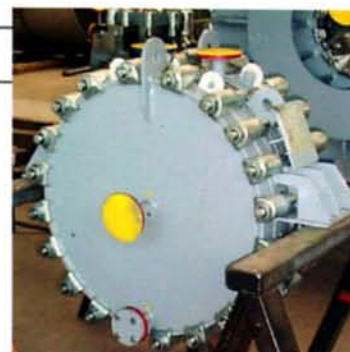
## SPIRAL heat exchanger

**Heat recovery, heating/cooling effluents, black liquor, pan steam, water containing fibres.**

Application : Cooling / heating of very highly charged fluids containing fibres.

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

Performance: Ideal counter current flow, channel uniqueness.



## Schell and tube heat exchanger

**High pressure liquor cooling or heating.**

Application: Cooling / heating of very viscous and charged liquor with steam or water.

Access: Liquor flowing on tube side, easily cleanable.

Performance: No thermal expansion problem, high reliability.



## Some references

ALLARD / CASCADES / CELLARDENNES / CHAPELLE  
DARBLAY / CONDAT / M-REAL / PAPETERIES DE  
GASCOGNE / SEYFERT DESCARTES / SMURFIT /  
STORA ENSO / TARTAS SA / TEMBEC.

 **KAPP FRANCE**

**10 years expertise ...**

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