



To control
your energy,
focus on heat
transfer



TO CONTROL YOUR ENERGY, FOCUS ON

Genuine designer of the PLATULAR® technology



Barriquand Heat Exchangers developed an exclusive know-how.

Thermal performances of Platular® wide gap all welded heat exchanger are well adapted to difficult fluids, with high content of extraneous matter, viscous, as well as for condensation of low pressure vapours or V.O.C. Multi-stream units can be supplied.

Custom-made designed and built, Platular® wide gap all welded heat exchangers are the most **versatile units on the market**. Their compactness gives many advantages in terms of volumes of fluids and footprint.

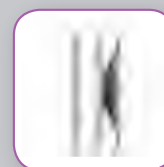


CHANNEL TYPES

Dimpled or studied channel with gap of 3 to 16 mm



TYP I



TYP IG



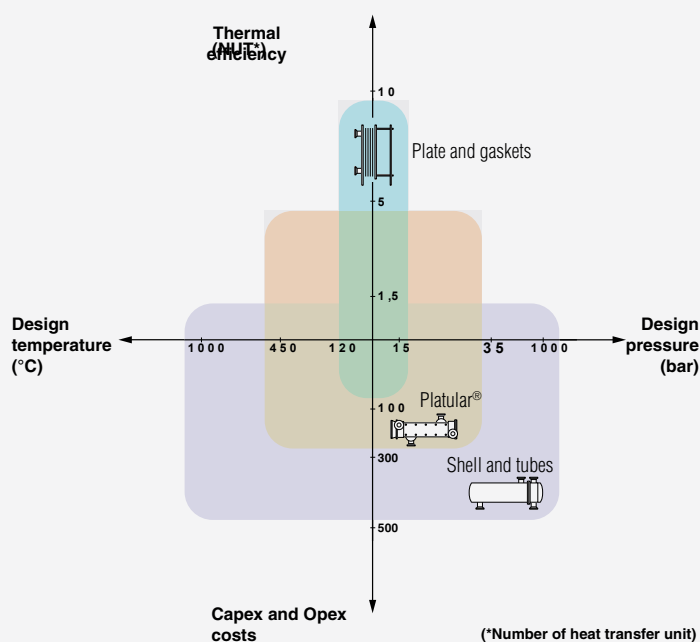
TYP DI



TYP U



TYP II



MATERIALS OF CONSTRUCTION:

Standards: ANSI, AFNOR, DIN, EN, ...
Grade: 304L, 316L, 316Ti, 254 SMO, UB6, 45N, C22, C2000, C276, ...

TESTS:

Air, Helium, demi water, oil, X-Rays, US, Ra, ...

SURFACE FINISHES:

Cold rolled 2B, mechanical or electro-polishing, degreasing, ...

TYPE OF INDUSTRIES:

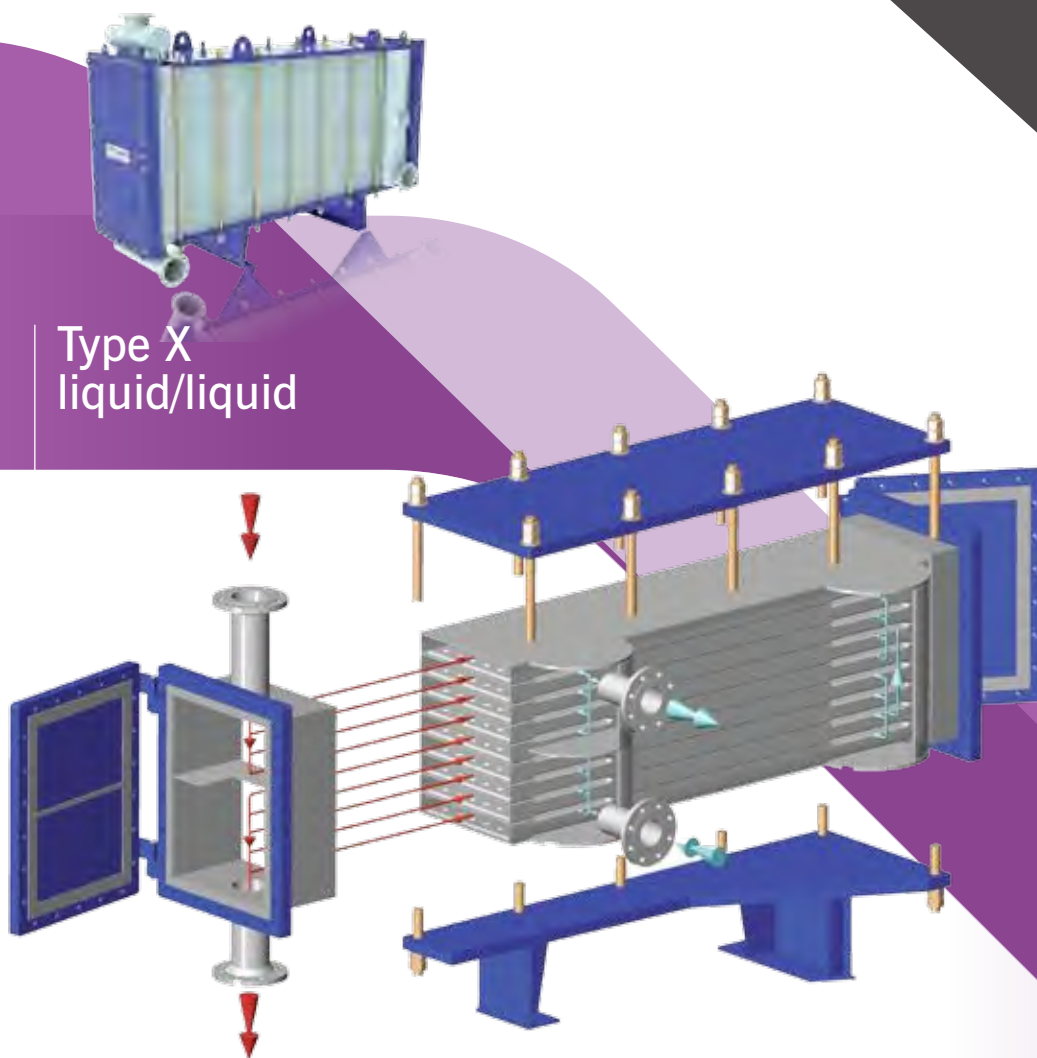
Food, pharmacy, chemical, steel/heavy industry, ...

CODES OF CONSTRUCTION:

CODAP, ADMERKBLATT, ASME U STAMP, PED 97/23 CE, SELO, KGS, ...

HEAT TRANSFER

Type X
liquid/liquid



Technical characteristics

- Complex process fluid (with extraneous matter or viscous) on B channel
- Utility or process fluid on A channel
- Versatile wide gap of B channel (optimized pressure drop)
- Perfect for a long transfer programme with low temperature approach
- Multi-stream design on A channel available
- Easy and fast access for cleaning of the process side

FIELD OF APPLICATIONS



Liquid/liquid energy recovery



Effluents cooler



Zinc liquor heater



Effluent cooler in pulp & paper



Pulp & paper effluent cooler

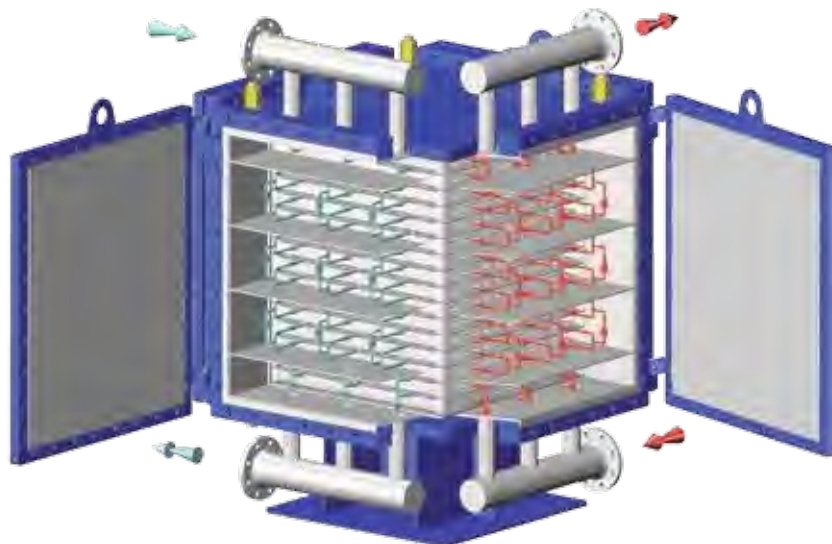
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Type X 4 doors liquid/liquid

Technical characteristics

- Complex process fluid (with extraneous matter or viscous) on B channel
- Utility or process fluid on A channel
- Versatile wide gap of B channel (optimized pressure drop)
- Individual optimization of passes numbers for each stream
- Perfect for a long transfer programme with low temperature approach
- Multi-stream design on A channel available
- Four doors for an easy access on both streams
- Easy and fast access for cleaning of the process sides



FIELD OF APPLICATIONS



Platulaire® type X 4 doors
on distillery vinasses



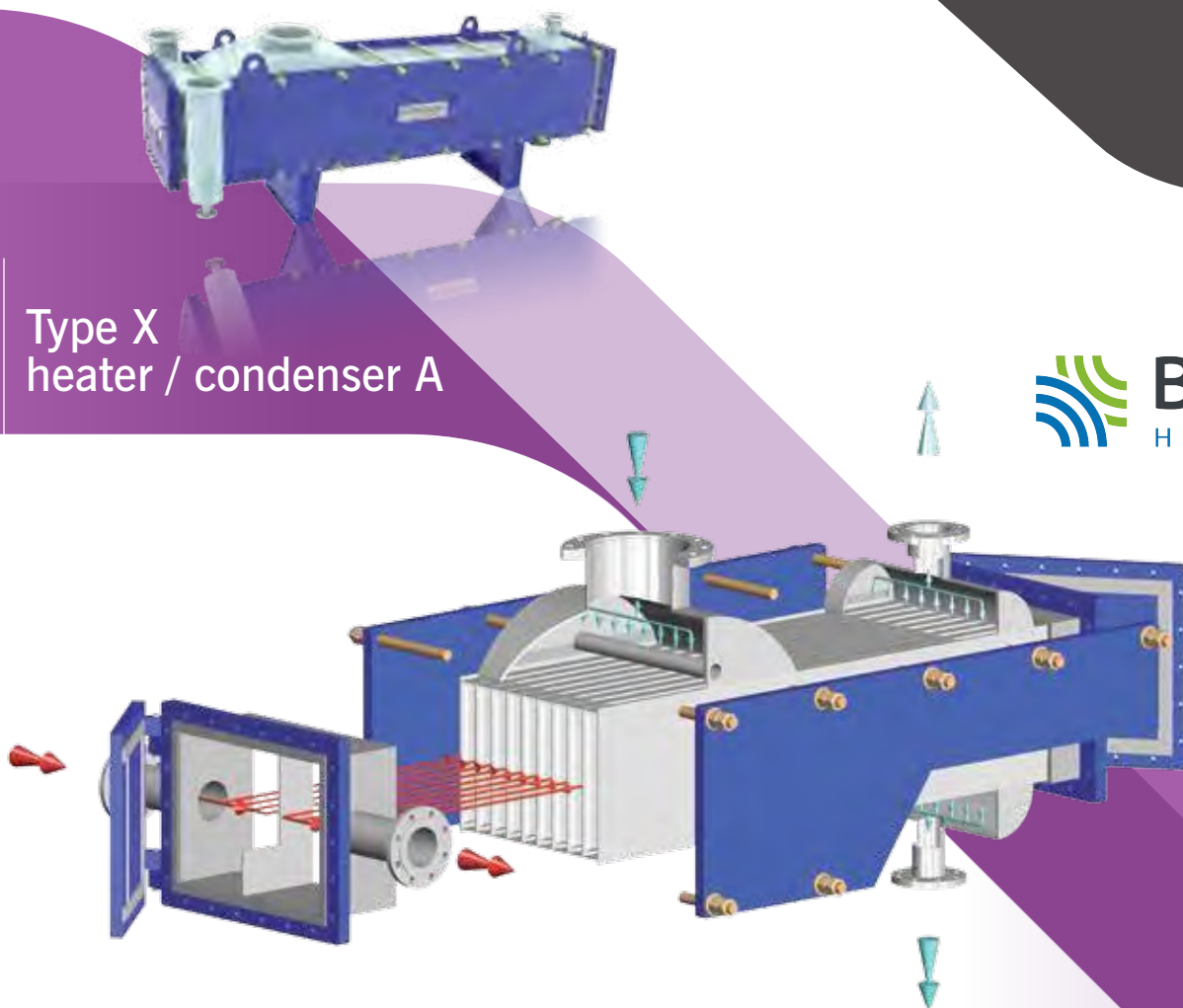
Platulaire® type X
4 doors



Platulaire® type X 4 doors
on white liquor in pulp & paper

HEAT TRANSFER

Type X heater / condenser A



Technical characteristics

- Complex process fluid (with extraneous matter or viscous) on B channel
- Condensation of the utility fluid on A channel
- Versatile wide gap of B channel (optimized pressure drop)
- Individual optimization of passes numbers for each stream
- Perfect for a long transfer programme with low temperature approach
- Multi-stream design on A channel available
- Easy and fast access for cleaning of the process side

FIELD OF APPLICATIONS



Low pressure vapour
condenser



Multi-stream sugar juice heater



V.O.C. condenser



6 Platular® on
condensation column
15 m high

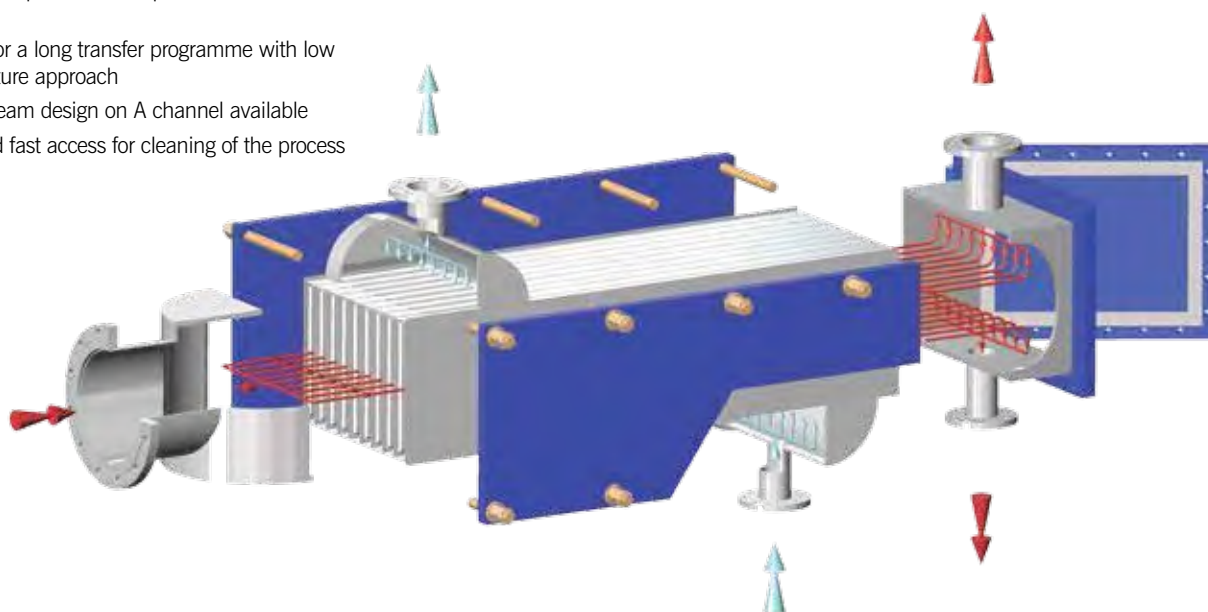
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Type X
condenser B

Technical characteristics

- Condensation of the process fluid on B channel
- Utility fluid on A channel
- Versatile wide gap of B channel (optimized pressure drop)
- Individual optimization of passes numbers for each stream
- Perfect for a long transfer programme with low temperature approach
- Multi-stream design on A channel available
- Easy and fast access for cleaning of the process sides



FIELD OF APPLICATIONS



Solvent condenser



Column condenser



Condenser on methionine
reactor

HEAT TRANSFER



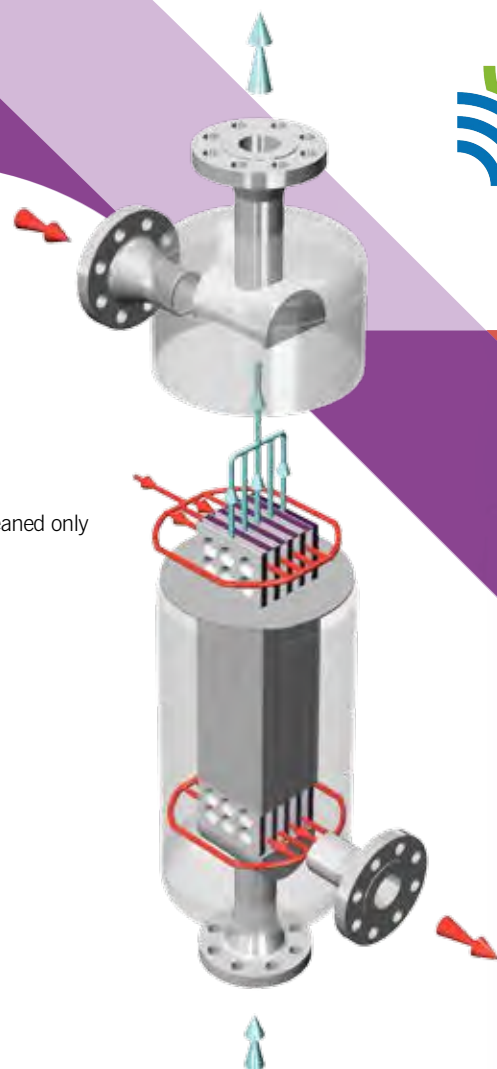
Type IJS / IJMASC

Custom-made design

- Heating area: 0.1 to 1,000 m²
- Pressure up to 40 bar
- Multi-stream available

Standard design

- Heating area: 0.7 to 14 m²
- Design pressure: 12 or 20 bar
- Application when fluids can be chemically cleaned only
- Horizontal or vertical lay-out
- High thermal efficiency
- Special design with expansion bellow



Barriquand Heat Exchangers

is a worldwide leader in Heat Transfer Technology. Barriquand is able to generate innovative solutions for customers among many kind of Industries (Chemical, Petrochemical, Pharmaceutical, Food,...)

Barriquand is recognized to provide reliable and versatile heat transfer units since several decades now for a wide range of various applications

Worldwide expertise
in **heat transfer**
for more than 90 years

FIELD OF APPLICATIONS



Removable plate-pack for easy access to the process channel



Cryogenic condenser

Applications:

compressed gas • chemicals • environment • urban heating • air conditioning • loaded fluids • liquids for human consumption • food processing • refining • petrochemicals • energy • thermodynamics • domestic hot water • paper mills • viscous fluids • condensation • marine • pharmaceuticals • sugar refining • fluid networks • bitumen • power generation • refrigeration • reheating • evaporation • liquefied gas • fuel oil • distillation ...

The group

With a total staff of 250 people, the Barriquand group consists of four companies, specialized in specific product lines, all related to heat transfer technologies. Each company has an independent structure, a unique expertise in various fields and offers complementary products to provide top quality answers for our national and international client's benefit.



- **Barriquand Heat Exchangers :** Thermal engineering consultancy and services, marketing of heat exchanger solutions.
- **Barriquand Shell and Tubes** design and manufacture of shell & tube heat exchangers
- **Barriquand Plate Exchangers** design and manufacture of plate heat exchangers, creator of Platular® heat exchangers
- **Steriflow Thermal Processing:** one of the world's leading sterilisation companies. Design and manufacture of sterilisation autoclaves.

