To control your energy, focus on heat transfer
TO CONTROL YOUR ENERGY, FOCUS ON HEAT TRANSFER

Barriquand Technologies Thermiques 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.

Genuine designer of the PLATULAR® technology

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, ...

Free flow heat transfer channel with gap from 3 to 30 mm

Dimpled or studed channel with gap of 3 to 16 mm
**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

*barriquand
TECHNOLOGIES THERMIQUES*
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

FIELD OF APPLICATIONS

- Low pressure vapour condenser
- Multi-stream sugar juice heater
- V.O.C. condenser

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

6 Platular® on condensation column 15 m high
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

TO CONTROL YOUR ENERGY, FOCUS ON...
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

Applications:
• Removable plate-pack for easy access to the process channel
• Cryogenic condenser

FIELD OF APPLICATIONS

Barriquand Technologies Thermiques

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 75 years

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 Technologies Thermiques: Thermal engineering consultancy and services, marketing of heat exchanger solutions.
- ASET: design and manufacture of shell & tube heat exchangers
- Barriquand Échangeurs: 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.