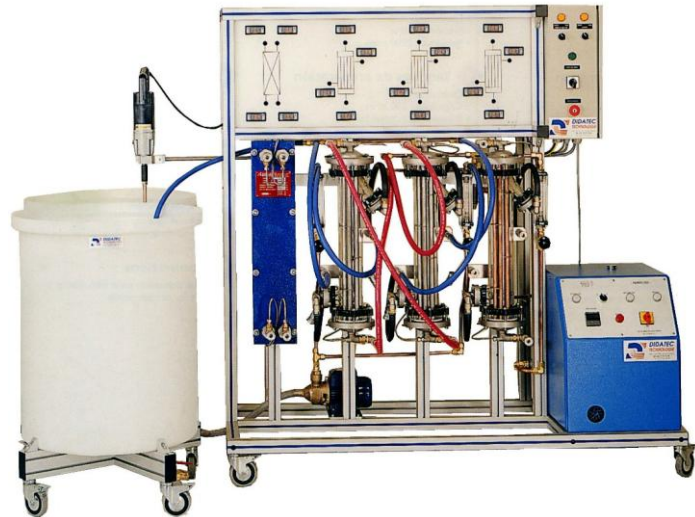


Heat Exchanger Unit

DESCRIPTION

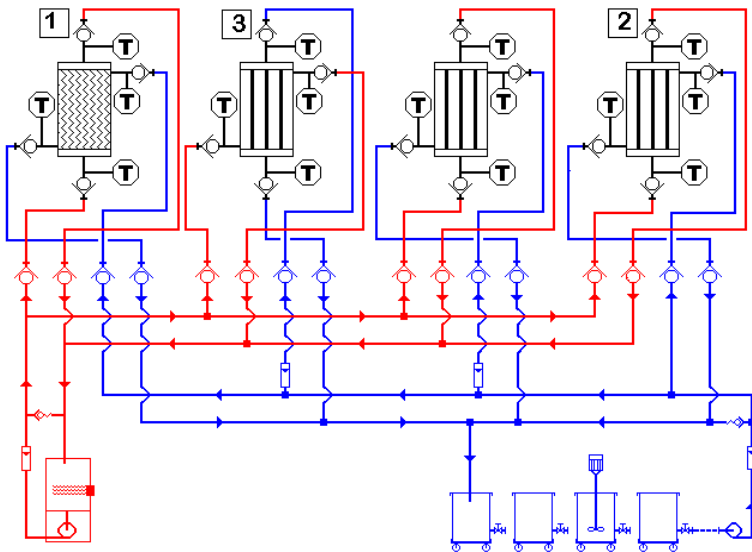
- v The heat exchanger is complete with instrumentation and includes a technical and instruction manual.
- v Designed and manufactured to industrial standards.
- v The unit is appropriate for different levels and fields of study.
- v Works in closed circuit.
- v **OPTION :**
Computer control and monitoring



SUGGESTED APPLICATIONS

- Heat transfer
- Laminar or turbulent flow
- Comparison between different techniques for heat exchange
- Co-flow and counter-flow
- Hot tubes, cold calender or the opposite
- Identical exchangers in series or in parallel
- Two identical exchangers in series or in parallel
- Effect of viscosity on heat transfer.

BET 100



UTILITIES

Electricity : 400 V tri phase 6 kW

DIMENSIONS

Length : 1 800 mm
Width : 700 mm
Height : 1 700 mm
+ 4 tanks of 200 L

1. Plates exchanger

- Stainless steel plates and gaskets
- Exchange surface : 0.1 m²

2. Tubes exchangers

- Two tubes exchangers
Stainless steel tubes
Glass calender
Exchange surface : 0.1 m²
- One tube exchanger
Copper tubes, glass calender
Exchange surface : 0.1 m²

3. Thermoregulation set

- Heating power : 4 kW
- Thermal fluid : water
- Maximum temperature : 95°C
- Temperature regulator
- Temperature probe
- Circulating pump
 - Power : 0.37 kW
 - Flow rate : 1.5 m³/h
 - Pressure : 2 bars
 - Speed : 2900 RPM

4. Viscous mixing agitator

- Two speeds : 500/800 RPM
- Power : 1050 W
- Hot liquid flow meter
- Two cold liquid flow meters for parallel work

5. Cold liquid pump

- Power : 0.37 kW
- Flow rate : 1.5 m³/h
- Pressure : 2 bars
- speed : 2900 RPM

6. Preparation tanks

- Four tanks
Capacity : 200 liters
- On castors

7. Graphic Display

- 16 temperature indicators

8. Electric box

- Switch and light
- Safety contacts

9. Connections

- Quick connectors can be used on various hoses for connecting circuits of choice