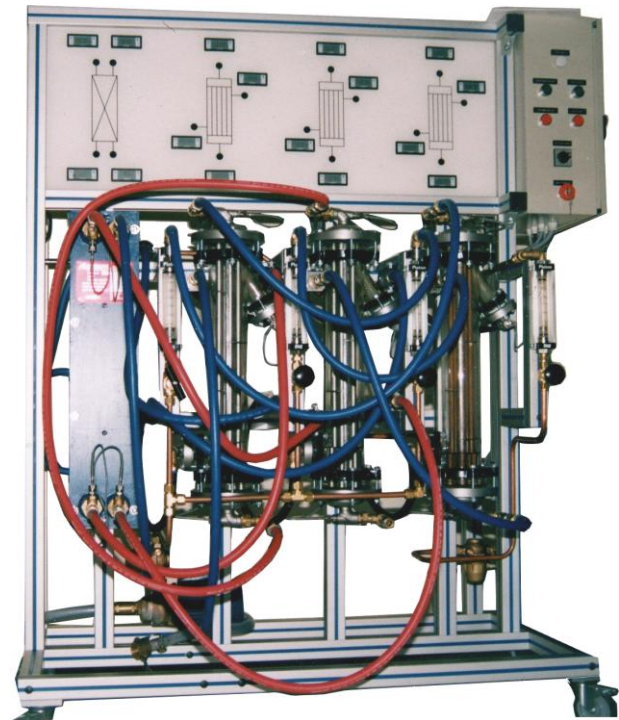


Heat Exchangers Unit - Three Exchangers

DESCRIPTION

- The unit is delivered complete with instrumentation as well as technical documentation and instructions.
- Designed and manufactured to industrial standards.
- This unit is suitable for various levels and fields of study.
- Functioning :
 - closed circuit for hot water
 - open circuit for cold water
- One regulator for each exchanger.
- Option :
 - Interface and software for P.C.



Previous unit with 4 exchangers (no-contractual picture)

SUGGESTED APPLICATIONS

- Study of a plate exchanger
- Study of a tubular heat exchanger
- Study of an exchanger with coil
- Thermal balance
- Computation of exchanger efficiency
- Computation of thermal output
- Comparison of efficiencies
- Study in co-current or in back-run mode

BET 103

Erreur! Liaison incorrecte.

Anodized aluminium frame

PVC circuit for cold water

Stainless steel circuit for hot water-vapour

Tubular heat exchanger

Composed of stainless steel tubes

Exchange area: 0.3 m² - glass calander

Tubular heat exchanger

Composed of glass tubes

Exchange area: 0.3 m² - glass calander

Plate and joints exchanger

Exchange area: 0.3 m²

Flow meter for hot and cold circuits - CT PLATON

Glass tubes – stainless steel floater

Scale 0.04...0.4 m³/h
0.4...4 m³/h

Temperature probes

12 temperature probes **Pt100** located on the circuit at the hot and cold inlet of the exchangers and at the hot and cold outlet of the exchangers

Numerical indicators ARDETEM

12 indicators (one per probe)

placed on a graphic display representing the exchangers

programmable indicators -4 digits

Accuracy class 0.2

OPTION

Thermoregulator group

UTILITIES

Electricity : 400 VAC triphase

Water : 4 m³/h – 3 bar – 80° and cold

Vapour : low pressure 80 kg/h

DIMENSIONS AND WEIGHT

Length: 1900 mm – Width: 800 mm - Height: 900 mm

Weight: 90 kg.

SAFETY FEATURES

Differential breaker - 30mA

Insulation on the hot sections