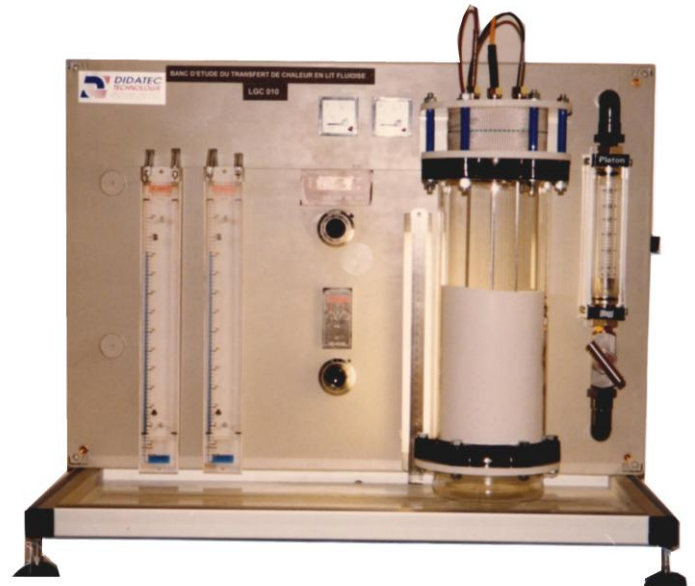


GPC FL4

Study of fluidized-bed heat transmission

DESCRIPTION

- The unit is delivered complete with instrumentation and includes a technical and instruction manual.
- Designed for different levels and fields of study.
- Transparent test chamber - easy opening for installation and removal of elements.



SUGGESTED APPLICATIONS

Study of the behavior of various products in a fluidized bed.
Study of the effect of air flow and air pressure on the fixed or fluidized product.
Determination of the thermal transfer coefficient according to superficial speed, immersion depth, particle size.
Separation by size or by mixing density.

GPC FL4

Test tank

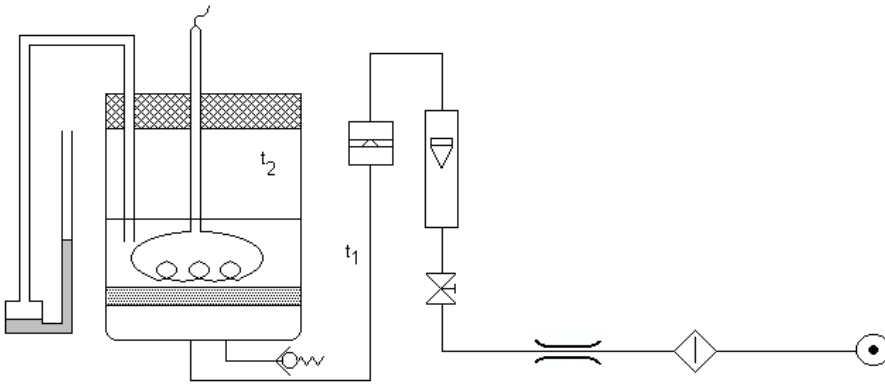
Made from glass Ø 150 mm
Product service capacity : 1.5 liter
Air distribution chamber in the lower part
Air distributor Easy to open

Air network

Linear filter
Expansion valve
Control valve (push button)
Two air flow meters - small and large scale
Variable heating element : + 300°C
Air exhaust filter

Instrumentation

Pressure sensor in tank
- height adjustable
Air temperature measurement on entrance and exit of tank
Power control for the heating element
Measurement of this power with voltmeter and ammeter
Safety shield surrounding the heating element



UTILITIES

Electricity : 240 V monophasic - 50/60 Hz - 0.3 kW
Air : 12 m³/h - 1 bar (14.5 psi)

DIMENSIONS

Length : 630 mm - Width : 450 mm - Height : 620 mm - Weight : 45 kg