

## THERMOSTATED TANK



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### Experimental capabilities

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- **Additional material of another process**
- **Monitoring of a reaction bio-industrial : the enzymology**  
**Influence of temperature**

# GPACU5



## Operating principle

The GPACU5 bench allows the study of enzymation. The juice is introduced into the tank, we add a volume of enzyme and we heat to a certain temperature for a given time so that the enzymes act on the pectins of the juice.

The robust design of this equipment makes it perfectly suited for school use.

Its anodized aluminum structure on wheels makes it very robust as well as great flexibility of integration into your premises.

The manufacture of this equipment meets the European machine directive

## Illustrations

## Technical details



1. Agitator
  - Power: 0.55 kilowatts
  - Stirring speed: 0-600 rev/min
  - Pale and stirring shaft in stainless steel 316l
  - With manual control variable speed drive
2. Boiler
  - Power: 6kW
  - With pump and 2 hoses
  - With PID controller and external output for temperature probe Pt 100 in order to regulate the temperature in the tank
3. Storage tank
  - Volume: 75 L
  - Material: Stainless Steel
  - Drain valve

## Services required

## Documentation

- Electrical supply: 380 Vac - 50 Hz
- Electrical supply type: 3 phase + neutral + earth.
- Dimensions: (LxWxH mm): 600 x 600 x 1600
- weight (Kg): 90

- User's manual
- Pedagogical manual
- Technical documentation of the components
- Lab exercises
- Certificate of conformity CE

Note : if the equipment installation is operated by our staff, all supplies and exhaust connections required must stand at less than 2m from the machine

DIDATEC– Zone d'activité du parc – 42490 FRAISSES- FRANCE  
Tél. +33(0)4.77.10.10.10 – Fax+33(0)4.77.61.56.49 – [www.didatec-technologie.com](http://www.didatec-technologie.com)  
email : [service\\_commercial@didatec-technologie.com](mailto:service_commercial@didatec-technologie.com)

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