

# GPC R15

## Tubular flow rate reactor

### DESCRIPTION

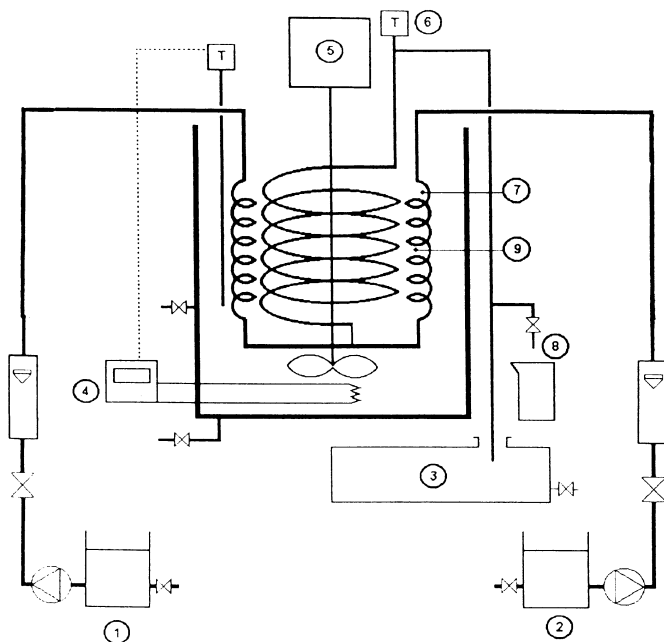
- The tubular flux reactor is delivered complete with instrumentation, and includes a technical and instruction manual.
- All the components in contact with reagents are manufactured in anti-corrosive material.



### SUGGESTED APPLICATIONS

Practical work on a tubular flux reactor.  
Effect of temperature on rate of reaction.  
Effect of reaction time on product.  
Comparison with residence time in a BATCH reactor.  
Effect of the manner of discharge.

# GPC R15



## UTILITIES

Electricity: 220/380 VAC – 50/60 Hz  
Network water  
Drainage

## DIMENSIONS

Length : 800 mm  
Width : 700 mm  
Height : 1000 mm  
Weight : 45 kg

### 1. Reagent supply

- Capacity tank : 20 litres, polypropylene
  - Supply and exit orifices
  - Disassembly for cleaning
- Anti-corrosive pump
- Flow meter and adjustable valve - 0.02 to 0.28 L/min.
- Preheating coil
- Connection to tubular reactor

### 2. Reagent supply

- Same as 1.

### 3. Recovery tank

- In polypropylene, capacity of 40 litres
- Discharge valve
- Disassembly for cleaning

### 4. Heating

- Electric resistance : 2.7 kW
- Temperature of bath regulated with sensor

### 5. Agitator

- Variable speed
- Anti-corrosive material

### 6. Mixture exit temperature

- Sensor with numerical indicator

### 7. Tank

- In borosilicate glass
- Connection for cold water
- Disassembly for cleaning

### 8. Sample taking

### 9. Tubular flux reactor

- P.T.F.E. tube
- Length : 20 meters
- Internal diameter : 5 mm
- Global volume : 0.4 litres