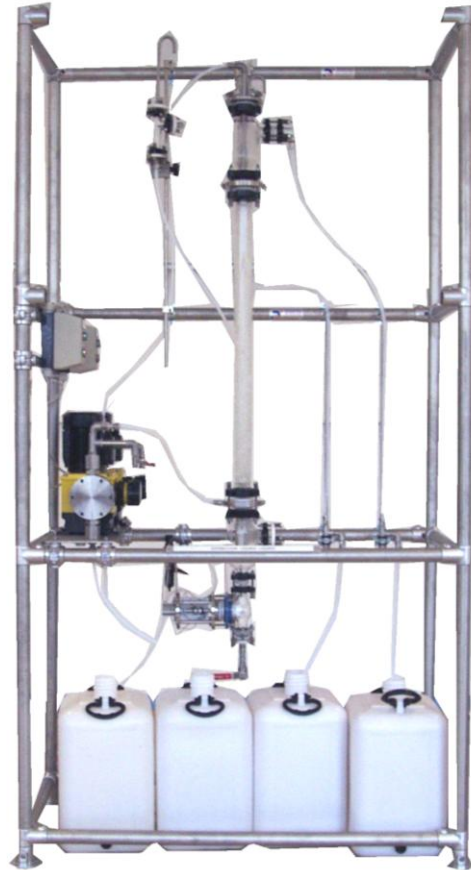


# GPC E20

## Pulsed liquid-liquid extraction

### DESCRIPTION

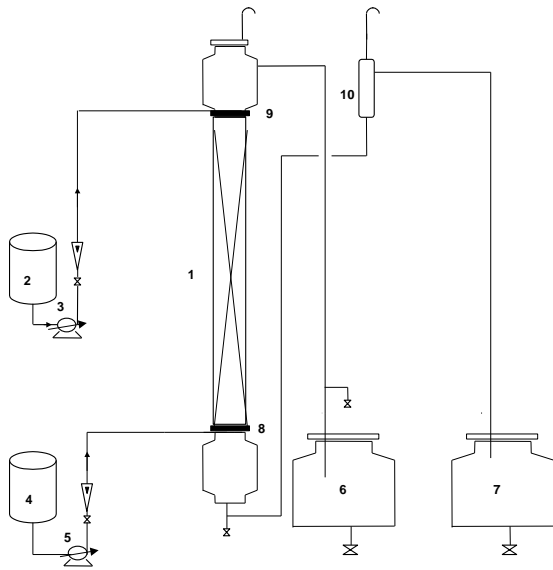
- Process of separation of the components of a liquid mixture based on differences in solubility of the components in a specific solvent.
- The extraction occurs in a column that is pulsed in order to increase its effectiveness. The pulsations increase the amount of dispersion, resulting in a better separation without disturbing the column.
- A user manual is provided.



### SUGGESTED APPLICATIONS

- Study of a process
- Experimental determination of the liquid-liquid balance
- Determination of the number of theoretical stages
- Efficiency of the column
- Mass balance : Matter transmission
- Effect of the action of the pulsations (comparative study with or without any pulsations)
- Industrial application

# GPC E20



## DIMENSIONS

Length : 1 200 mm  
Width : 500 mm  
Height : 2 500 mm  
Weight : 85 kg

## OPTIONS

- Additional temperature sensors
- ADF electric pulsator
- Perforated plates instead of padding

- 1. Extraction column**
  - Borosilicate glass
  - Diameter : 50 mm
  - Height : 1200 mm
- 2. Solvent supply tank**
  - Borosilicate glass 3.3
- 3. Diaphragm pump for supplying the solvent**
  - Stainless steel 316 L
  - Flow rate :0-22 L/h to 10 bar (150 psi)
- 4. Supply tank for the mixture**
  - Polyethylene
  - Electro-pneumatic command
- 5. Receiver of the extract**
  - Borosilicate glass 3.3
- 6. Receiver of the raffinate**
  - Borosilicate glass 3.3
- 7. Dispatching supply plates of the substructure**
  - Stainless Steel 316 L
- 8. Dispatching supply plates of the top of the column**
  - Stainless steel 316 L
- 9. Barometric leg**
  - Regulates the phase at the top of the column