

GPC FL3

Fixed bed fluidization

DESCRIPTION

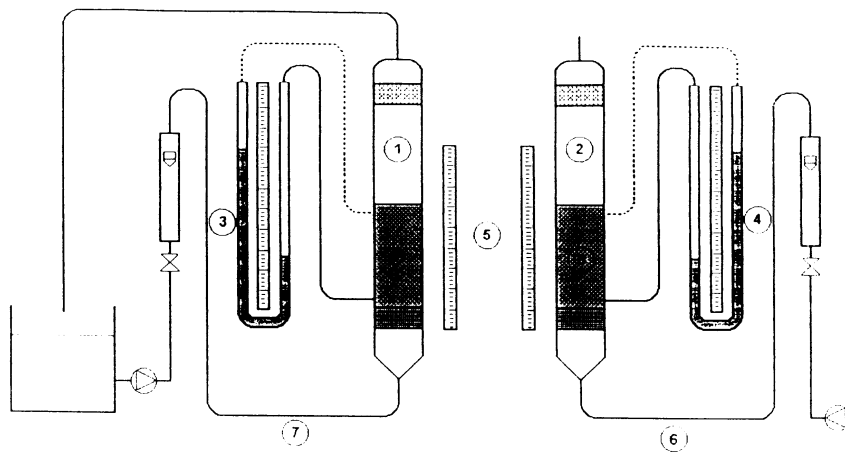
- v The fixed bed fluidization equipment comes complete with instrumentation and includes a technical and instruction manual.



SUGGESTED APPLICATIONS

- Study of fixed and fluidized beds.
- Pressure losses for various different beds.
- Influence of water and air flow.
- Influence of particle diameter and density.
- Observation of changing state: fixed bed to fluidized bed.
- Observation of air discharge or water in bed.

GPC FL3



1. Acrylic column - Ø 50 mm - Height : 550 mm

- Sintered bronze for dispersion at entry
- Sintered bronze without loss of pressure at exit
- Pressure sampling in low part of bed
- Pressure sampling in high part of bed
- Disassemble for bed changing

2. Column – the same as 1.

3. Liquid manometer

- With one connection: ΔP with atmosphere
- With two connections: ΔP bed

4. Manometer – the same as 3

5. Bed measurement

6. Air line

- Air pump with regulator
- Flow meter with adjustment valve – 2 to 25 L/min

7. Water line (closed circuit)

- Stocking tank
- Circulation pump
- Flow meter and adjustment valve : 0.4 to 4 L/min
- Glass beads – 210/235 microns
- Glass beads - 440/530 microns

UTILITIES

Electricity : 230 V single phase - 50/60 Hz

DIMENSIONS

Length : 800 mm - Width : 700 mm - Height : 1000 mm - Weight : 120 kg