

Combined fluidization Référence : FLM/2000



Liquid-Solid and Gas-Solid fluidization study

GENERAL SPECIFICATIONS

- Compressed air feeding circuit: general isolating valve, pressure reducing valve isolating valve.
- Gas-solid fluidization: glass column, evacuation jar, glass fritted support, two pressure ports, quick-closing clamp.
- Differential manometer of liquid column, filling valve, draining valve and scale.
- Water feeding circuit: general isolating valve, float flowmeter with setting valve.
- Solid-liquid fluidization: glass column, evacuation jar, support: glass perforated plate, two pressure ports, quick-closing clamp, recovery filter at the outlet.

Instrumentation

• Air flowmeter.

• Water flowmeter.

Dim : 105 x 55 x 175 cm – 60 kg SS tubular framework 40 x 40mm

Categories: Educational Engineering Fluidization Fluids dynamics

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DESCRIPTION

Theoretical and experimental study of fluidization

Porosity and expansion of bed, bubbling

Theoretically determination of the minimum fluidization velocity: Kozeny-Carman and Ergun equation

Experimentally determine the minimum fluidization speed

Study the influence of parameters on fluidization

Bed characteristics:

Particle diameter and density

Bed porosity and height.

Fluid characteristics:

Fluid flow rate and nature



Unités livrés avec un manuel pédagogique et dossier technique



Possibilité d'adapter les unités à vos besoins



Mise en service, formation des formateurs

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