

Take Real Life
to the Lab

MP-Micro™ Fluid Bed



Find and optimize the formulation, identify the process parameters to establish the release characteristics.

Test small quantities of rare and expensive materials before decisions are taken on whether it's viable to proceed with the next stage of product development.

Purpose-designed for R&D projects, the MP-Micro™ Fluid Bed brings all the flexibility of a full-size production fluid bed to the laboratory benchtop.

Aeromatic-Fielder Technologies

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Main features

- Secure product handling and containment.
- Variable process control of airflow, temperature and liquid addition.
- Interchangeable product containers.
- Filter blow-back system.
- Easy strip down for cleaning.

Functions

- Dry mixing and liquid spray addition.
- Particle size enhancement by spray granulation / agglomeration.
- Spray coating.
- Fluid bed drying.

Dryer

Air is filtered and heated prior to passing through the distributor plate fluidizing the product and absorbing moisture. The product is completely contained within the unit due to the highly efficient product filters.

Granulator

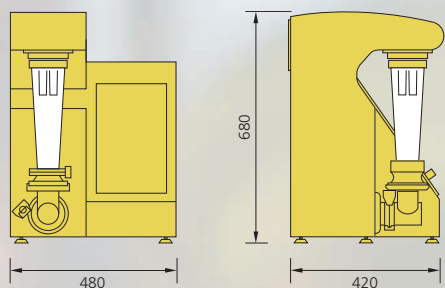
A binding agent is sprayed onto the fluidised product for controlled-agglomeration. The formed agglomerates are subsequently dried.

Coater

Liquid is sprayed onto the product from below to ensure uniform coating. An attachment for top spray coating is also available.

Technical Data

Product volume	50-200g
Air flow	0-20 m ³ /hr.
Stat. pressure	7Kpa
Motor power	0.4kW
Current type	single-phase
Heater capacity - at 80°C	1.2kW
Container volume	1300ml
Weight	35kg



www.geapharmasystems.com

Aeromatic-Fielder
GEA Pharma Systems AG
PO Box 112, Hauptstrasse 145
CH-4416 Bubendorf, Switzerland
Tel: (CH) +41 61 936 36 36, (UK) +44 23 8026 7131
aeromatic-fielder@geapharmasystems.com



GEA Pharma Systems