

FLUID BED PROCESSOR TYPE LFP MINI



- Ideal unit for your product and process development
- Wide range of application in one single machine
- Turnkey system with integrated inlet air/exhaust air system
- Further options on demand
- Top spray, bottom spray and Wurster system



Fluid Bed Processor Type LFP Mini 1 with connected nozzle



Pilot plan model Fluid Bed Processor Type LFP 8

Fluid Bed Processor Type LFP Mini

The Fluid Bed Processor type LFP Mini is a multifunctional fluid bed processor designed for research and development to complement the existing Lödige Laboratory models. The Fluid Bed Processor type LFP Mini is designed for:

- Drying
- Granulating / Agglomerating
- Coating (bottomspray / Wurster system)

The Fluid Bed Processor type LFP Mini is a turnkey system which is supplied ready for connection and in compliance with GMP. The inlet air unit, the exhaust air system and the controls are integrated into the stainless steel housing of the machine.

Mode of Operation

The heated inlet air flows through the special designed Conidur® bottom into the processor and fluidizes the product in the product vessel. The integrated filter bags (or filter plate, in the case of bigger particles) hold back the product particles in the processor. Upon cleaning of the filter by blowing off with compressed air, these particles are returned to the process. Liquids can be sprayed onto the product bed (top spray) or into the product bed (bottom spray/ Wurster system) by using a multicomponent nozzle.

Sizes

Type	Working volume approx. in litre	Batch approx. in kg
LFP Mini 1	2	0,1 - 1
LFP Mini 2	4	0,2 - 2
LFP 8	16	0,3 - 8

Standard Equipment

- Product contact parts: stainless steel 1.4404 (AISI 316 L);
Ra ≤ 0.8 µm
- Housing and other parts: stainless steel 1.4301 (AISI 304);
Ra ≤ 1.6 µm
- Spray system for top spray
- Controls with Touch Screen Panel
- Exchangeable Conidur® bottoms (available with different perforation size)
- Heatable 3-component nozzle

Optional Equipment

- Product vessel of the Fluid Bed Processor type LFP Mini 1 also suitable to fit the laboratory model LFP Mini 2
- Further nozzles for top spray and bottom spray
- Sampling device
- Qualification documentation DQ, IQ, OQ (in German or English)
- Wurster system
- and many others...



Wurster system



3-component nozzle