



Fluid Bed Processor LFP 8

- Ideal unit for product and process development as well as pilot operation
- Wide range of applications in one single machine
- Compact unit with integrated inlet air/exhaust air system
- Many process monitoring possibilities and additional options on demand
- Turnkey mobile system ready for connection

Fluid Bed Processor LFP 8



Both product vessel and filter housing can be swivelled and tilted



LFP 8 with separate product vessel



Integrated PLC controls

The LFP 8 is a multifunctional fluid bed processor designed for research and development as well as for pilot operation. The machine is fitted with exchangeable product vessels suitable for batch from 300 grams to 8 kg. The LFP 8 is designed for the following processes:

- Drying
- Granulating / Agglomerating
- Coating (bottom spray/Wurster system)

The LFP 8 is a turnkey system which is supplied ready for connection and in compliance with GMP. The inlet air unit, the exhaust air system, the fan and the PLC controls are integrated into the mobile stainless steel housing of the machine.

Mode of operation

The heated inlet air flows through the special designed Conidur® bottom into the processor after passing the exhaust air fan. This air fluidizes and tempers the product in the product vessel. The inlet air temperature is regulated by a control flap by means of a warm/cold mix. The integrated filter bags (or filter plate, in the case of bigger particles) hold back the product particles in the processor and are cleaned by compressed air impulses at adjustable intervals. Liquids can be sprayed onto the product bed (top spray) or into the product bed (bottom spray/Wurster system) by using a multi-component nozzle. Different types of nozzles are available for this purpose.

Standard equipment

- Product contact parts: stainless steel 1.4404 (AISI 316 L);
Ra ≤ 0.8 µm
- Swivelling and tilting product vessel and filter housing
- H13 filter for inlet and exhaust air
- Partitioned Conidur® bottom for optimal product movement
- PLC controls with Touch Screen Panel
- Mobile unit fitted with rollers for better transportability even through standard door openings

Optional equipment

- Product vessels available in different sizes
- Integrated scales
- ATEX protection concept for critical products
- Process monitoring data transfer via USB port
- Qualification documentation... and many others

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