

SPEC SHEET

Fluid Bed Granulator

FL Series

INTRODUCTION

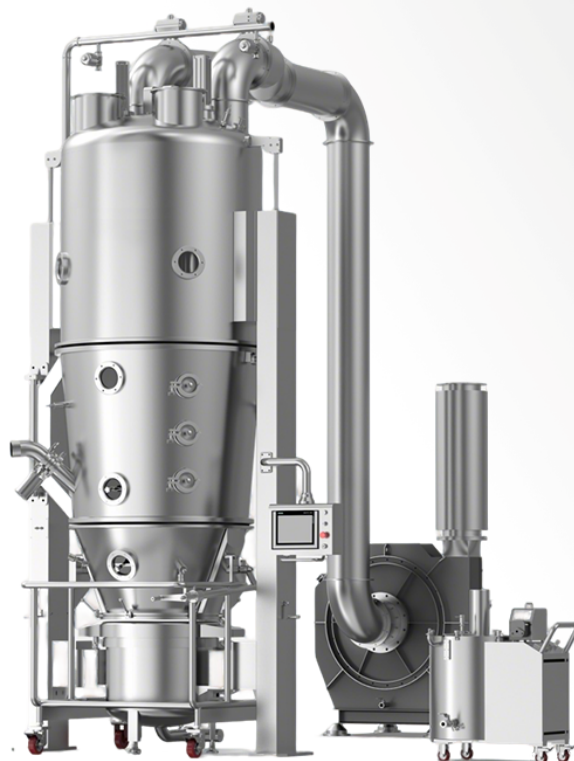
The FL Series is a **high-performance, multifunctional process system engineered for solid preparation production in the pharmaceutical, chemical, and food industries.**

By integrating mixing, drying, and granulation into a single unit, it provides a streamlined solution for high-quality product manufacturing.

Pharmaceutical Industry: It is an essential tool for the complex granulation and drying stages required for various solid dosage forms.

Chemical and Food Industries: The machine is highly effective for diverse drying and granulating processes that require strict environmental and quality control standards.

KEYWORDS Granulator | Powder | Blending | Mixing



ATTRIBUTES

- **Granulation Versatility:** The system is equipped with a top-spraying system specifically optimized for efficient and uniform granulation.
Precision and Control: It utilizes PID precision control to ensure consistent and reproducible process outcomes.
- **Operational Efficiency:** The design supports high processing efficiency and features closed online sampling, which allows for real-time quality monitoring during production.
- **Regulatory Compliance:** The FL series is built to fully meet FDA, cGMP, and GMP standards. For advanced data integrity needs, the control system can be optionally configured to comply with 21 CFR Part 11 requirements.
- **Advanced Modular Options:** To enhance facility-specific needs, the system is compatible with various upgrades, including WIP (Washing-in-Place) systems, PAT (Process Analytical Technology), final dedusting, and dehumidifier systems.



TECHNICAL PARAMETERS

Specification	Details
Effective volume	45 L - 1430 L
Total power	7.5 kW - 75 kW
Steam pressure	0.4 - 0.6 MPa
Compressed air pressure	0.6 - 0.8 MPa
Compressed air consumption	0.4 - 1.8 m ³ /min
Heating temperature range	Room temperature - 120 °C

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