

SPEC SHEET

Multifunctional Fluid Bed Granulator

DPL Series

INTRODUCTION

The DPL Series is a highly versatile, all-in-one processing system designed for advanced pharmaceutical and chemical production.

It seamlessly integrates multiple processes—including mixing, drying, top-spray granulation, and bottom-spray pellet coating—into a single, compact unit.

Pharmaceutical Industry: Essential for sophisticated solid dosage forms requiring multi-stage processing, such as delayed-release pellets or specialized granulation.

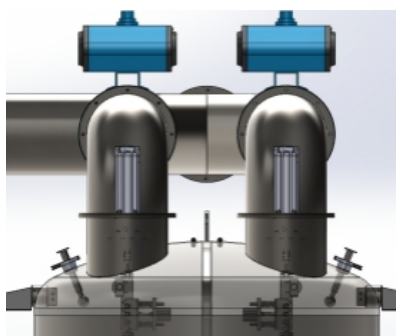
Chemical & Food Industries: Highly effective for specialized coating and granulation applications where material uniformity and process control are critical.

KEYWORDS Granulator | Powder | Blending | Mixing



ATTRIBUTES

- **Multifunctional Design:** Combines mixing, drying, granulation, and coating in one machine, significantly reducing floor space requirements and equipment investment.
- **Precision Coating Capabilities:** Specifically engineered with bottom-spray technology for uniform pellet coating, ensuring high-quality functional film application.
- **Process Flexibility:** Allows for seamless switching between different processing modes, making it an ideal solution for facilities handling diverse product lines.
- **Regulatory Compliance:** Engineered to fully meet FDA, cGMP, and GMP standards.
- **Safety Integration:** Features robust explosion-proof systems (anti-10 or 12 bar) to ensure operational safety when handling potent or volatile materials.



TECHNICAL PARAMETERS

Specification	Details
Effective volume (Coating)	45 L - 1430 L
Effective volume (Granulation & Drying)	90 L - 860 L
Total power	11 kW - 37 kW
Steam pressure	0.4 - 0.6 MPa
Steam consumption	144 - 410 kg/h
Compressed air pressure	0.6 - 0.8 MPa
Compressed air consumption	0.6 - 3 m ³ /min
Heating temperature range	Room temperature - 120 °C

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