NANO US

One system. No upper limit. Fully customizable.

Continuous manufacturing mode for large-scale GMP production.



FR-JET® Technology | Continuous | PAT | up to 1200mL/min | GMP

KEY BENEFITS

COMMERCIAL-GRADE OUTPUT, WITHOUT COMMERCIAL-SCALE COMPLEXITY

Our fully automated large scale NANOus® system for continuous aseptic manufacturing takes GMP production to a new level.

CUSTOMIZABLE TO YOUR MANUFACTURING NEEDS

NANOus® system features such as CIP/SIP, PAT and temperature control can be fully customized to serve your manufacturing process requirements.

REMOVES THE NEED FOR PARALLELIZATION

Continuous operation eliminates the need to run and maintain multiple parallel production lines — lowering both capital and operating costs.

THROUGHPUT THAT KEEPS PACE WITH COMMERCIAL DEMAND

High flow rate capacity means NANOus® is sized for real commercial volumes, not just pilot runs.

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LEON ENABLING NANO NOW

NANO JS

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Technical data

Scope	Commercial pharmaceutical nanoparticle formulations
Features	– FR-JET® modular mixer (included) for mixing two solutions – FR-JET® system offers a combination of pinholes, cores and outlets to tune the process – Flow-controlled feed of starting material streams – Customizable protocols for automated process runs – CFR 21 Part 11 and GAMP 5 compliant software gives you built-in data integrity and traceability for every batch.
Operation parameters	– Flow rate of single pump: 800 mL/min – Total flow rate: up to 1600 mL/min (FRR 1:1)** – Pressure rating ≤ 40 bar – Continuous product output – Aseptically enclosed process
Output	– Maximum product volume: N/A (continuous operation mode)

** Total flow rate ranges vary with mixer configurations

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SCAN ME