



G&G TECHNOLOGIES, INC.

LIPID-NANOPARTICLE MIXING



Scale Up with Confidence: Flexible Solutions for LNP Mixing

The introduction of lipid-based nanoparticles has revolutionized the landscape of the biopharmaceutical industry. Our LNP Mixing systems are designed to encapsulate nanoparticles and proteins inside of lipid capsule to protect them from degradation and modify drug delivery. Our systems are ATEX and IEC compliant for use in Zone 2 hazardous spaces. Our skids integrate a variety of pumping technologies, including interchangeable modular pumping heads. Work with our team of engineers to deliver the right solution for your process.

Product Array

- Remote Controlled Skids
- Turn-Key Automated Skids
- Remote Consoles
- Modular G2 Versapump Technology
- Production Scale Systems
- Parallel-Flow High-Flux Systems
- Continuous Single-Pass Systems

Applications

- Vaccines
- Peptides
- Gold Nanoparticles
- Proteins
- Recombinant Molecules
- Nucleic Acids, DNA, RNA, mRNA

Processes

- T-Junction Mixing
- Hydrodynamic Flow Focusing
- Inline Dilution
- Quenching
- Single-Pass TFF
- Secondary Mixing

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Features and Benefits

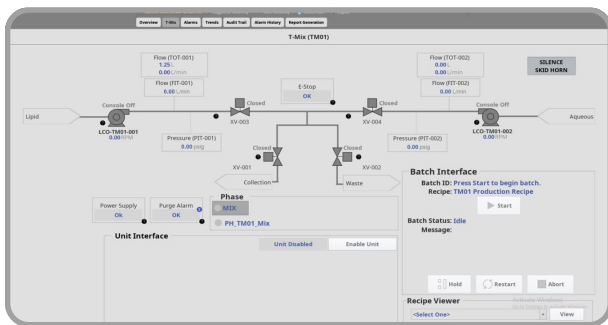
- A Wide Product Array to Facilitate Scale-Up
- Accommodates a wide array of LNP Technologies
- LNP Mixer Agnostic
- High Quality Single-Use Assemblies
- Low-Holdup and High Yield
- Secure and User-Friendly Software
- Integration with a variety of Analytical Sensors



Secure and User Friendly Software

G&G Technologies' turn-key control system automates process control and features user-set recipes, historical trending, batch control, and multiple secure user levels and options for Delta-V and SCADA integration.

Our 21 CFR Part 11 compliant software simplifies data management and traceability, ensuring security and regulatory compliance.



T-Junction and HFF Single-Use Tees

Our mixing junctions are made-to-order in accordance with client specified parameters, ensuring that our tees deliver the same performance as devices used in trial testing. Ensure a smooth transition from your Single-Use Manifold to the mixing junctions with our concentric reducers.

Performance Specifications	
Maximum Flow Rate	20 LPM
Maximum Pressure	35 PSI
Material of Construction	Polyphenylsulfone
Bore Diameter	0.06-0.50 inches
Gamma Stable	USP Class VI

