



G&G TECHNOLOGIES, INC.

OMNISTREAM BIOREACTORS



Redefine Upstream and Downstream Bioprocessing

G&G Technologies brings biopharmaceutical companies state-of-the-art single use bioprocessing systems in bioreactor and cell harvesting applications. The Omni-Series Systems add cell harvest, clarification, and concentration to a compact turn-key system. Our design and manufacturing team works directly with your technical team to deliver the right solutions for your process. Customizable Single-Use systems are delivered with full cGMP support documentation.

Features

- Working Volume 5L-2000L
- Turndown Ratio 3:1
- Gentle Agitation
- High Mass Transfer Rates
- Blend Time less than 60s
- 1.5:1 to 2.5:1 Geometry
- Superior Quality Bags

Applications

- Mammalian Cell Cultures
- Insect Cell Cultures
- Microbial Fermentation
- Vaccine Production
- Yeast Cultures
- Plant Cell Cultures
- Viral Vector Production

Options

- Sensor Arrays
- Sparging Elements
- Load Sensing
- Harvest Filtration
- Positive Displacement Pumps
- Chromatography
- Tangential Flow Filtration

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Features and Benefits

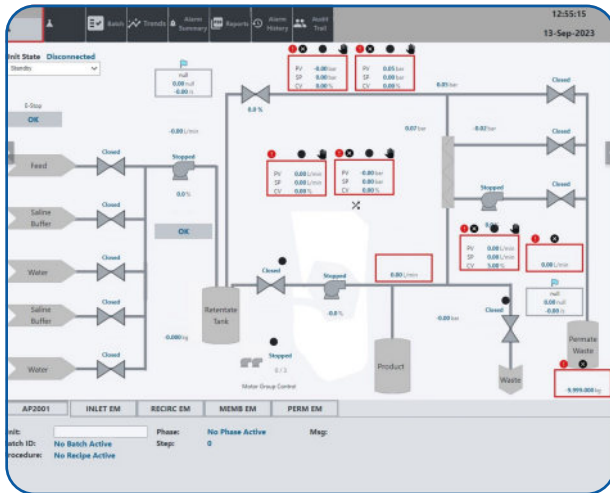
- A Wide Product Array to Facilitate Scale-Up
- Modular Process Design
- Adaptable to Many Process Applications
- High Quality Single-Use Assemblies
- Low-Holdup and High Yield
- High Performance Mixing
- Efficient Retentate Mixing
- Secure and User-Friendly Software
- Integration with a variety of Analytical 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.



High Quality Single-Use Components

Our offering of Single-Use Bags are assembled in cleanroom facilities certified ISO 14644-1 classified cleanrooms with ISO 9001 certified quality systems. The single-use manifolds are sterilized by gamma irradiation dose of at least 25kGy. The single-use manifolds' material batch records are fully traceable, including USP Class VI material test reports, certificates of compliance, and sterilization certificates.



Bioreactor Systems



Bench-Top Omni Bioreactors

- 5-10 L Working Volume
- 3:1 Turndown Ratio
- Stirred Tank Mixing
- Low Shear Configuration, Fluid Transfer Pumps, and Analytical Sensor Array
- Remote Controls



50L Omni Bioreactors

- Analytical Sensor Array, including pH, DO, Temperature, and Conductivity
- 3:1 Turndown Ratio
- Stirred Tank Mixing
- Low Shear Configuration
- Local Turn-Key Control System with 21 CFR Part 11 Compliant Software



50L Omni-Stream Bioreactor

- Analytical Sensor Array, including pH, DO, Turbidity, Temperature, and Conductivity
- 3:1 Turndown Ratio
- Stirred Tank Mixing
- Cell Clarification and Harvest
- Local Turn-Key Control System with 21 CFR Part 11 Compliant Software



200L Omni-Stream Bioreactor

- Analytical Sensor Array, including pH, DO, Turbidity, Temperature, and Conductivity
- 3:1 Turndown Ratio
- Stirred Tank Mixing
- Cell Clarification and Harvest
- Local Turn-Key Control System with 21 CFR Part 11 Compliant Software



200L Whole-Stream Bioreactor

- Analytical Sensor Array, including pH, DO, Turbidity, Temperature, and Conductivity
- 3:1 Turndown Ratio
- Stirred Tank Mixing
- Cell Harvest, Clarification, Concentration, Microfiltration, Ultrafiltration, Chromatography
- Local Turn-Key Control System with 21 CFR Part 11 Compliant Software



2000L Omni Bioreactor

- Analytical Sensor Array, including pH, DO, Turbidity, Temperature, and Conductivity
- 3:1 Turndown Ratio
- Stirred Tank Mixing
- Low Shear Configuration
- Local Turn-Key Control System with 21 CFR Part 11 Compliant Software





G&G TECHNOLOGIES , INC.

Empowering Innovation in Life Sciences

G&G Technologies has a proven track record over 20 years of delivering custom-engineered solutions for the evolving needs of life science companies. We understand the critical role that process equipment plays in your success, which is why we prioritize a deep understanding of your specific processes and challenges. Since our Inception, G&G Technologies has been at the forefront of bioprocessing innovation. Our commitment to cutting-edge design, resourceful problem solving, and unwavering quality fuels our dedication to exceeding client expectations.

We offer a comprehensive portfolio of services and products to meet the needs of the life science industry, including Sanitary Process Equipment, Single-Use Process Equipment, Laboratory and Clean-Room Furnishings, Custom Weldments and Piping Assemblies, and Precision Machined components.

Partner with G&G Technologies to overcome your unique process and equipment challenges. Let's discuss how we can help you achieve your bioprocessing goals.

Contact Information

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 **For More Information, Visit**
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