



# Omni Bioreactor 5-10L

By G & G Technologies

The Omni 10L is G&G benchtop Single-use fully integrated and automated bioreactor system. Utilizing proven technologies, the Omni Bioreactor, is a robust and flexible functioning process system which can be tailored to meet your specific requirements. It features a compact design with integral TCU for heating and cooling, so it is ideal for research or production environments.

## Specific Features

- Working volume: 5-10L
- Small footprint
- Turndown ratio 3:1
- Stirred tank mixing
- 1.5:1 and 2.5:1 height : diameter geometry
- Low power input per unit volume
- High mass transfer rates for bacterial and cell culture applications
- Blend times less than 60 sec
- Tip speed less than 0.7 F/sec
- Low shear configuration
- Superior quality bag films
- Integrated control system, with recipe configuration, data trending and alarming

## Applications

- Mammalian Cell Culture
- Insect Cell Culture
- Microbial Fermentation
- Rapid mixing for aqueous and viscous solutions
- Gentle suspension for micro-carrier applications

## Options Available

- Sparge element selection
- Sintered SS 2, 20, and 40 micron
- Drilled hole to 1/8 in
- Combination spargers
- Stripping sparger for CO<sub>2</sub> removal
- Component selection
- Harvest, Hollowfiber, TFF, Chromatography
- Control system platform
- Bag configuration



## Design your custom system today

- Choose geometric configuration
- Review and tailor P&ID to your application
- Configure your bioreactor bag for your own probe choices, media additions, harvest and sparge preferences
- Configure your downstream components to your specific needs
- Select gas ranges and control strategies
- Choose your control platform
- Select the components you want and we will gladly assist you in any custom integration



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# OmniStream 50L

By G & G Technologies

The OmniStream is the industry's first designed and built single use system, combining a bioreactor unit working in conjunction with a fully-integrated, automated cell harvest/ clarification/ concentration operated from a control and HMI on a single skid. The OmniStream system includes the option to install additional microfiltration, ultrafiltration, and/or chromatography capabilities in a "plug and play" fashion. Our design and manufacturing team works directly with your technical team to deliver the right solution.

We pride ourselves on quality and timely delivery, and we have made our reputation on design engineering and customer satisfaction. Custom (and standard) single use systems delivered are with full cGMP support documentation.

## Specific Features

- Working volume: 50L
- Small footprint
- Turndown ratio 3:1
- Stirred tank mixing
- 1.5:1 and 2.5:1 height : diameter geometry
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# OmniStream 200L

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## Specific Features

- Working volume: 200L
- Small footprint
- Turndown ratio 3:1
- Stirred tank mixing
- 1.5:1 and 2.5:1 height : diameter geometry
- Low power input per unit volume
- High mass transfer rates for bacterial and cell culture applications
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