

Evo™ Series Laboratory Fermentors & Bioreactors



The EVO series of sterilizable-in-place (SIP) fermentors and bioreactors are easy-to-use customizable culture systems. Each EVO unit is equipped with a non-proprietary integrated control system that is common to the entire range of DCI-Biolafitte fermentors and bioreactors, offering a scalable solution from research and development through production.

Our bench top or free-standing EVO units are both pre-mounted and pre-wired for easy installation and maintenance. Each model features impellers that maximize thermal and oxygen transfer and minimize shear force. Our meticulous quality control and thorough quality test program ensure smooth start-ups for optimal performance and efficiency.

Instrumentation and Automation

The EVO series gives you superior control over every aspect of your processing needs. It includes up to 16 configurable control loops and includes control types for PID, digital on/off, and cascade mode for advanced control strategies.

The user-friendly Neptune control system gives you instant access to all of the EVO's features. The intuitive software is suitable for any degree of research and processing—from University to process optimization or small scale production. Advanced and expert versions are also available. Contact us to learn more about your Neptune control system options.



BioPro™ EVO Fermentors (10 L to 30 L WV)

The BioPro EVO fermentor is the next generation of cost-optimized and easy-to-use SIP laboratory fermentors. These scalable systems are carefully manufactured for peak performance and efficiency. They are suitable for many culture and process types, including yeast, bacteria, and fungi in batch, fed-batch, or continuous culture (with appropriate accessories).

BioCell™ EVO Bioreactors (10 L to 20 L)

The BioCell EVO Series SIP laboratory bioreactors are manufactured for efficient batch, fed-batch, or continuous process using micro-carriers or suspended cells. Systems are available with direct drive or magnetically coupled agitators. The integrated software package enables multiple types of research—from higher education to internal process optimization.

Control Retrofits and Vessel Upgrades

Improve your throughput and increase your efficiency with advanced controller and vessel upgrades from DCI-Biolafitte.

From University to cGMP validated systems, our experts will assess your automation, vessel, and skid needs—then recommend ways you can improve your equipment performance regardless of the original manufacturer.

Our eight-step process begins with an initial system review, where we determine available options for updating your control systems. We also modify, refinish, or repair vessels to adapt to your changing workflow. We can construct new skids, rejuvenate your existing skid, or convert a skid to a mobile design for changing research and development needs. Systems are typically reconditioned at our facility for full access to machining equipment and always tested before final installation to ensure peak performance.

