# BioPro™ Series Fermentors


As the demand for biotechnology continues to increase, we're rising to the occasion with our line of BioPro fermentors. We strive to provide you with the highest quality, most innovative fermentors available by discovering ways to improve products and processes to adapt to your changing fermentation needs.

Our biotech experts take pride in designing and manufacturing fermentors that will help you efficiently meet all stringent hygiene regulations. Along with our standard fermentors, we're able to develop a custom solution to meet unique specifications.

## Experience and Innovation

The BioPro steam-in-place (SIP) fermentors are designed for optimization studies, scale-up, and production runs in standard GLP/GMP environments. The lab and pilot scale models are ergonomically designed with modular and compact systems for easy installation and maintenance. Open frame units are pre-mounted and pre-wired for easy installation.

The BioPro fermentors are available in two different designs to meet all your cGAMP needs:

- S Type for general applications
- G Type for cGMP- validated applications

dci·biolafitte
The BioLogical Choice™

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## BioPro Laboratory Series Fermentors (10 to 300 L WV)

The smaller BioPro Laboratory Series fermentors feature high thermal and oxygen transfer performance with patented HTPG4™ impellers and RUSTON turbines. The intuitive and user-friendly Neptune™ control system complies with cGAMP Revision 4, 21 CFR Part 11 and S88 standards (batch module). You can also supervise and maintain multiple fermentors over an ethernet network.

## BioPro Pilot Series Fermentors (60 to 300 L WV)

The larger BioPro Pilot series fermentors are the best pre-engineered culture devices for many culture types (including yeast, bacteria, and fungi) in batch, fed-batch, or continuous mode (with appropriate accessories). The Pilot series includes many of the same features found on the Laboratory series with a few more advancements for larger scale fermenting.

We thoroughly test each unit and provide material and component traceability with 100% endoscopic control of welds. We also provide a detailed documentation package to support validation.

## 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.