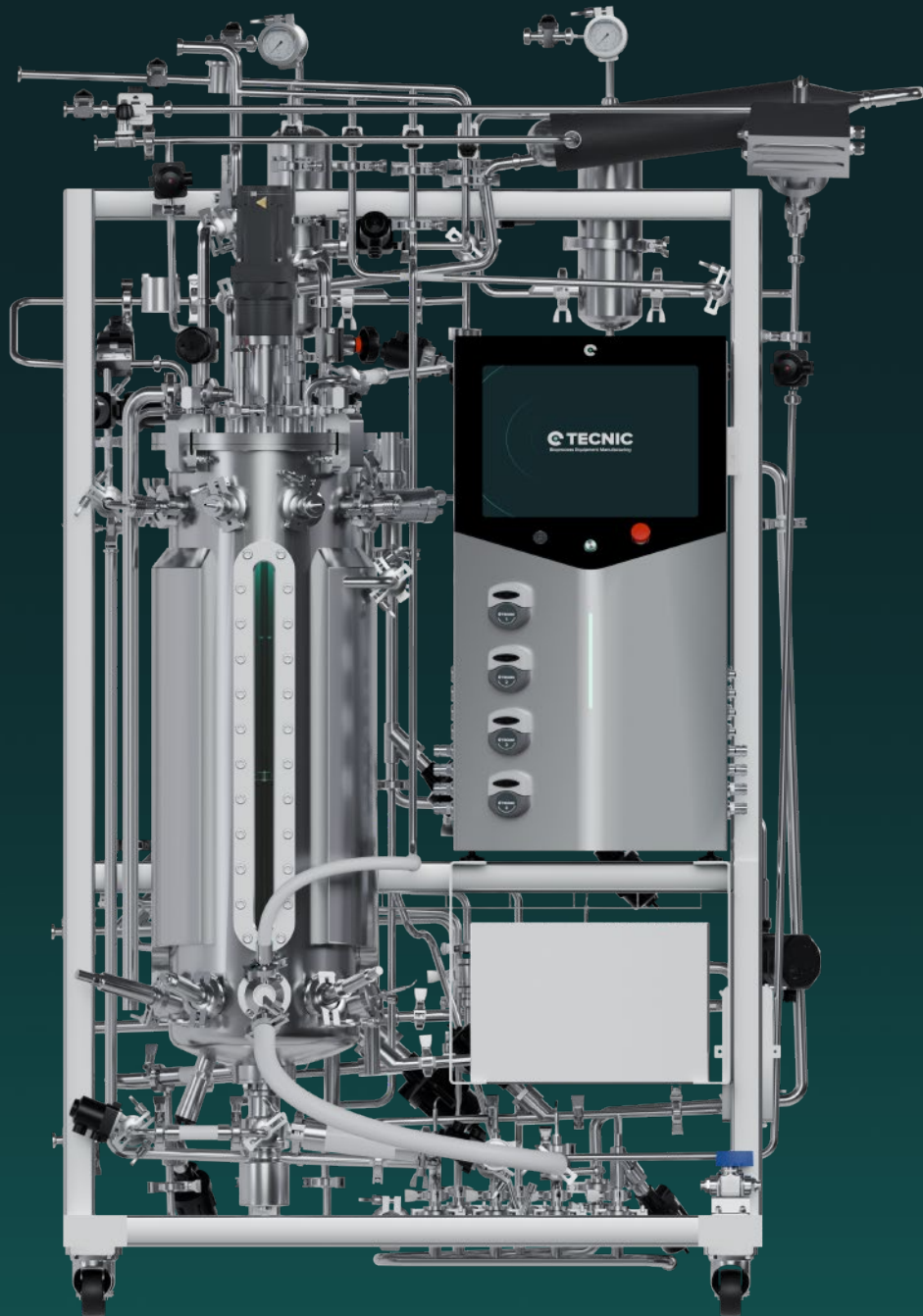


ePilot[®]

bioreactor

Up to 50 liters



Elevating bioprocessing efficiency with innovative design and precision control

The integration of a PLC in our bioreactor enhances bioprocessing success by offering **flexible programming**, which ensures a thorough understanding of each stage of the bioprocess. Furthermore, our pilot-scale bioreactor features **advanced monitoring systems** that enable the real-time tracking of crucial parameters like pH, pO₂, temperature, and foam levels. This tracking ensures ideal conditions for the growth and development of cells and microorganisms.

The modular vessel design of the ePILOT Bioreactor is ideal for versatile volume adjustments in bioprocess as it **enables the customization of equipment features** to meet user needs by exchanging different vessels, providing an excellent solution for scaling up production using the same equipment.



Cellular ePILOT® vessels, designed to monitor and control key growth parameters, ensuring optimal conditions for cell culture. In addition to these, we also offer a model with height/width ratios for fermentation.

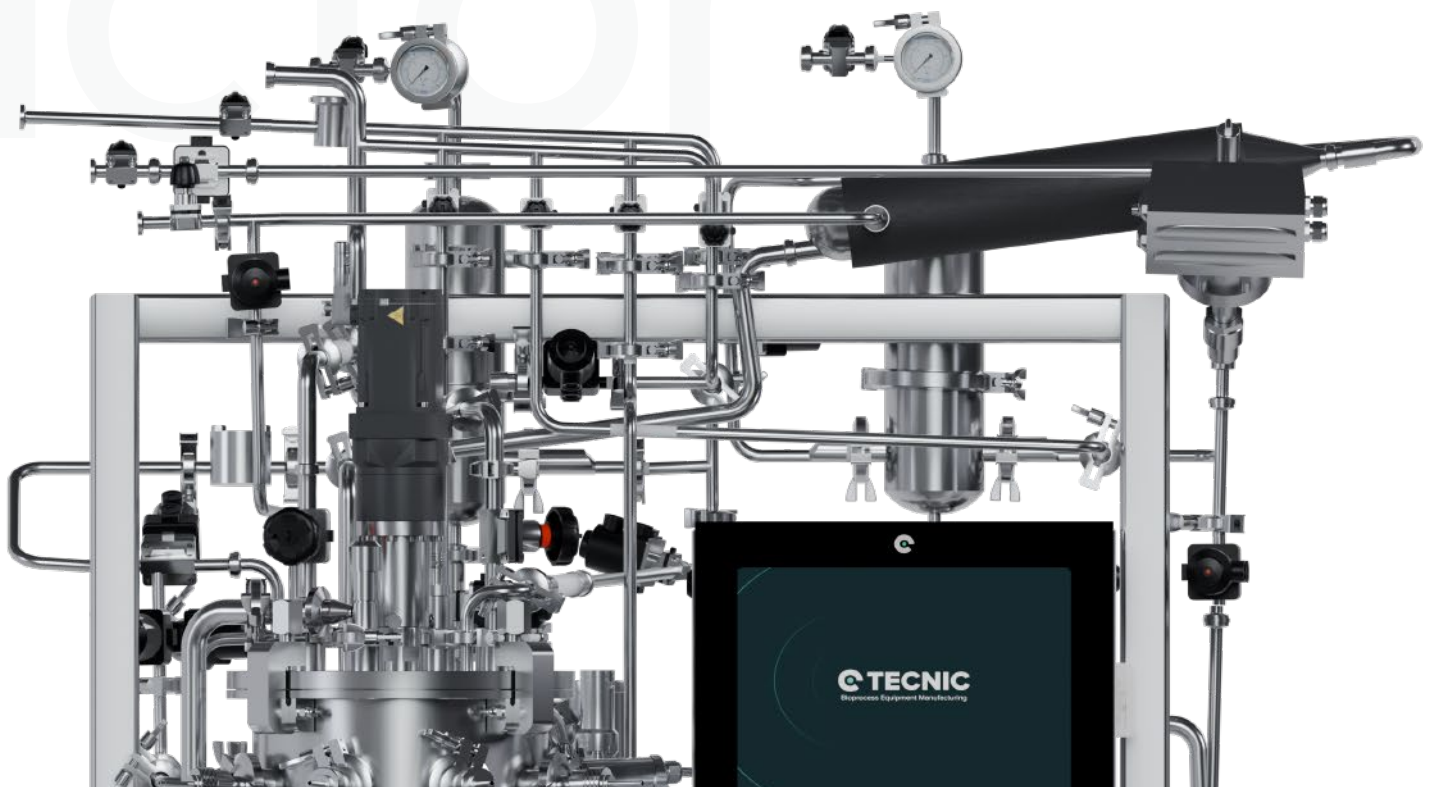
Key Functionalities

ePILOT® Bioreactor

Interchangeable vessel	10, 20, 30, and 50L
Configuration	Microbial / Cell culture
Integrated peristaltic pumps	4x for acid, base, antifoam and media addition
Jacketed vessel	Included
Temperature control	Included
Stirrer speed control	Included
DO control	Included
pH control	Included
Foam control	Included
Mass flow controller for gas addition	Included
Recipes management	Included
User's management	Included
Reports	Included
TECNIC OPC server	Included
eR&ID eADVANCED software	Included
Weight measurement, load cell	Included
Automatic pressure control	Included
AUTO SIP version	Optional

Vessel Main Specifications

Jacketed	Included
Sight glass	Included
Servomotor agitation	Included
Stirrer shaft with mechanical seal	Included
Rushton and pitched impeller	Included
Inlet gas through overlay or sparger	Included
2x CIP balls	Included
4x aseptic addition valves	Included



Contact

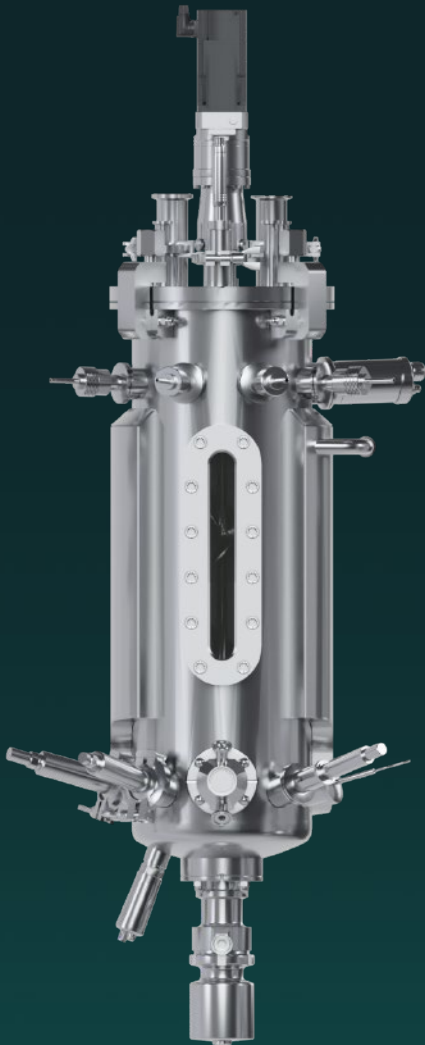
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Microbial Vessels
10 - 50 L



Cellular Vessels
10 - 50 L



Technical data subject to change without notice.
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TECNIC