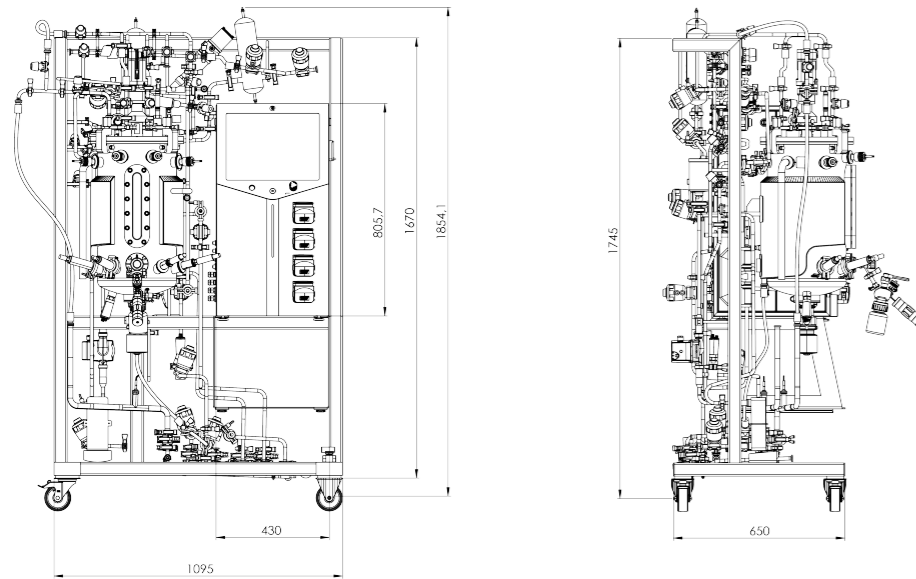


ePILOT Bioreactor - Technical information

General measurements for ePILOT structure (mm)



General Information

| | |
|-------------------------------|---|
| Volumes | For 10L to 50L |
| Material vessels | Stainless steel AISI 316L |
| Max Rotation (for ePILOT 50L) | Microbial: 1000 RPM Cell Culture: 250 RPM |
| Variable Speed | 4X Peristaltic Pumps with variable speed |
| Impellers | Rushton, Pitched Blade, Marine Blade |
| Temperature control | Pt 100: 10-60 °C |
| pH sensor | Glass pre-pressurized reference system: 2-12 pH |
| Dissolved Oxygen | Optical Sensor: 0 - 300% |
| Auto CIP/SIP | Auto steam generation skip opcional |



Do you need more information?
We are here to help you.

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We evolve together

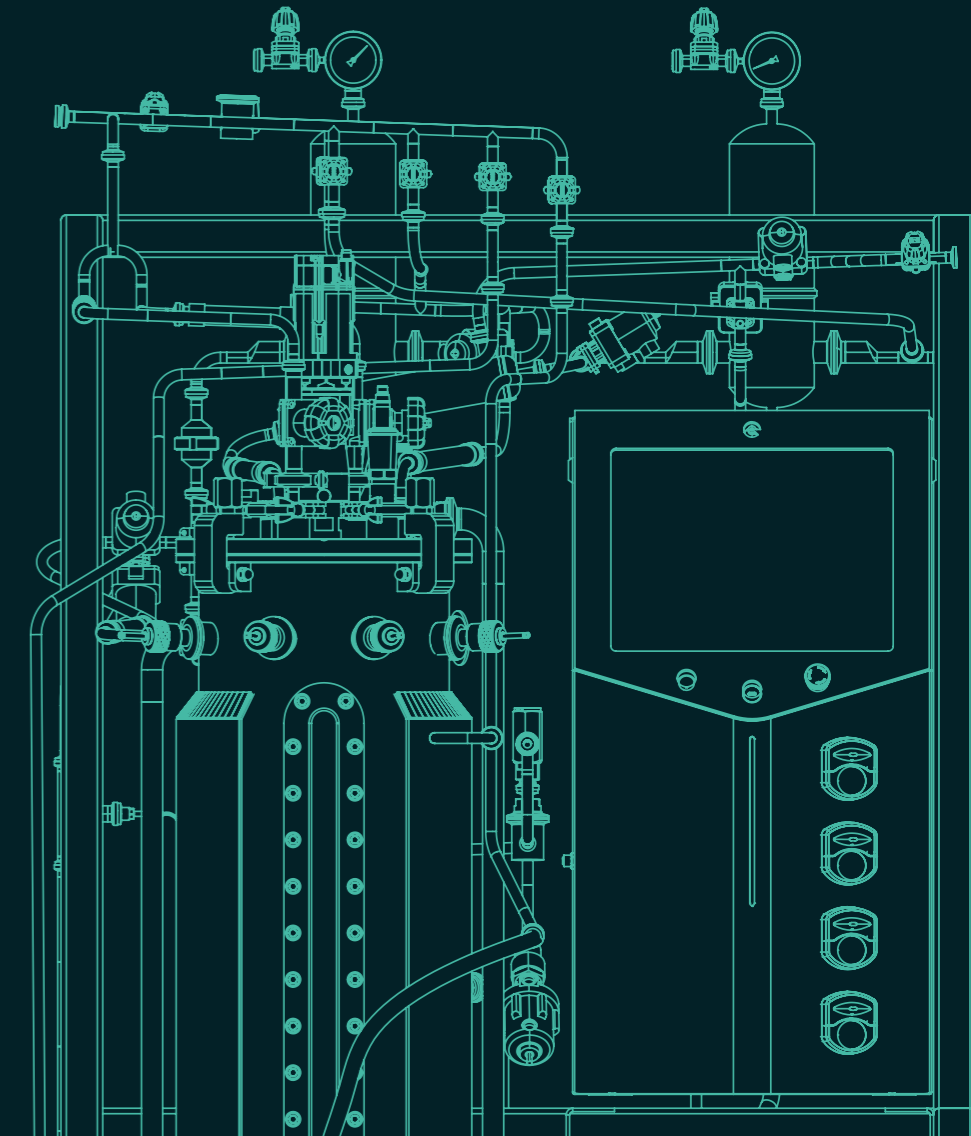
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ePILOT Bioreactor



Maximize research and production results.




ePILOT Bioreactor


The ePILOT Bioreactor is a high-performance bioreactor designed to take microbial fermentation and cell culture to the next level. With replaceable vessels and working volumes of 10, 20, 30, and 50L, our bioreactors offer maximum efficiency and flexibility. The system is equipped with digital sensors for pH, pO₂, temperature, and foam/level, providing real-time monitoring and control of the process.

The Control Unit of the ePILOT Bioreactor, manufactured by TECNIC, features a 15" touch screen, gas supply systems, and peristaltic pumps, providing complete control of the fermentation and cell culture process. The ePILOT Bioreactor System allows researchers to unlock the full potential of their research and production, enabling them to optimize their processes and achieve their desired outcomes.

The ePILOT Bioreactor is designed to be highly customizable, with a wide range of options available to meet the specific needs of each user. Whether you need a bioreactor for research, development, or production, the ePILOT Bioreactor can be tailored to meet your requirements. The ePILOT Bioreactor offers maximum efficiency and flexibility.

Applications

 Recombinant protein

 Vaccines

 Monoclonal Antibodies

 Stem Cells

 Gene Therapy





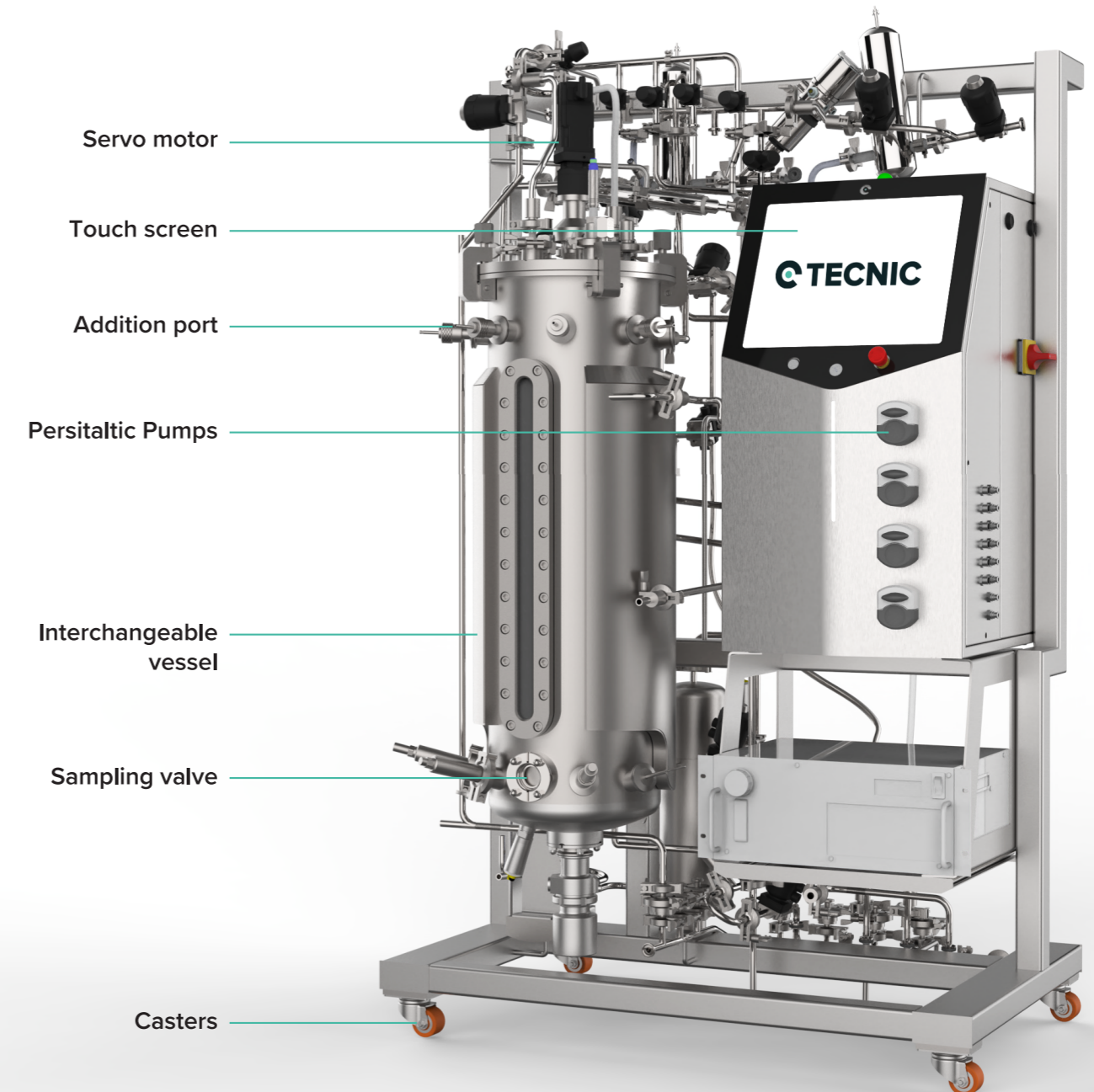
The bioreactor contains an internal vessel where process is performed and an external jacket that cools or warms up the content, depending on the required necessities as regards with energy transference.

In the upper part of the vessel there are the sparger and overlay gas inlets, a rupture disc and the five addition valves. In other configurations, a glass with a torch can also be found in the upper part with the purpose of illuminating the inside of the bioreactor.

At the bottom, it can be seen 4 ports for different process control sensors, the sampling kit, temperature and pressure sensors and the bottom valve.

In all of the vessels, a sight glass in the front of the vessel is integrated to check some important parameters, such as turbidity, agitation or foam of the medium.

More information:



Servo motor

Touch screen

Addition port

Peristaltic Pumps

Interchangeable vessel

Sampling valve

Casters