

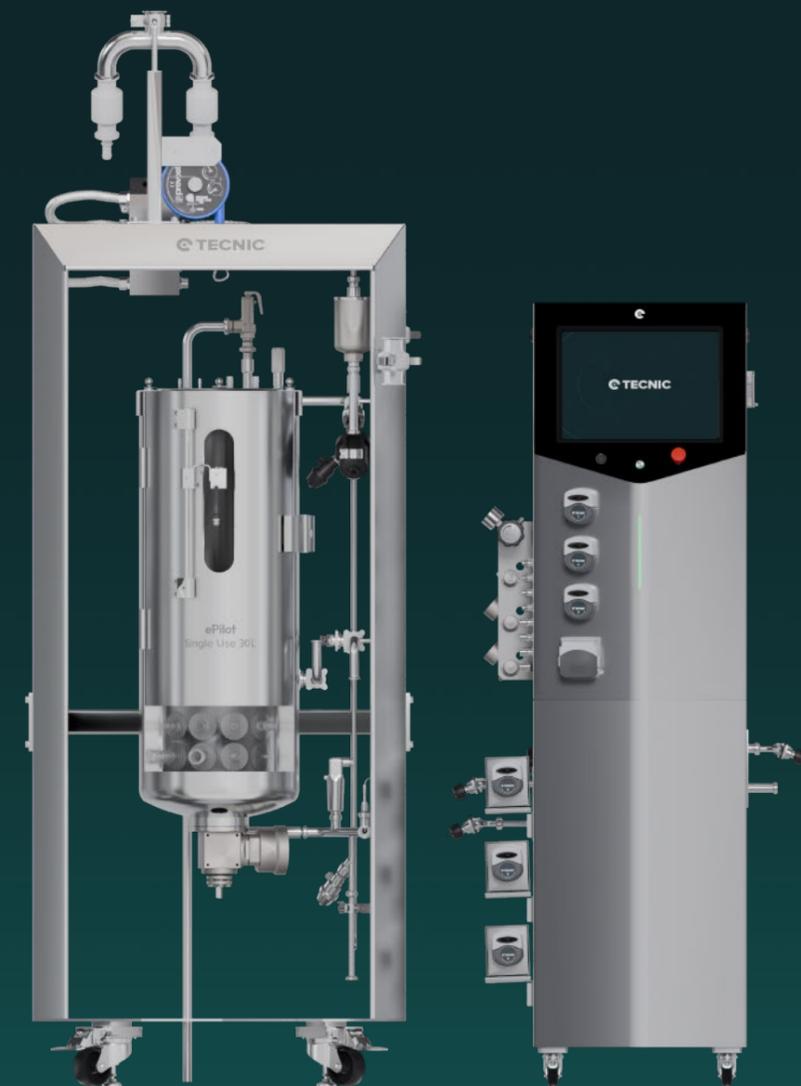
# Contact

Polígon Industrial Can Pruna  
Carrer Ponent, 10, nau 1, 2 i 3  
17421 Riudarenes, Spain  
☎ +34 972 87 73 27  
✉ sales@tecnic.eu  
🌐 tecnic.eu

# ePilot<sup>®</sup> bioreactor single use

Up to 50 liters

eBAG<sup>®</sup> 3D STR  
30 to 50 L



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## Improve bioprocess efficiency with innovative design and precision control

Single-Use Bioreactors have emerged as crucial components in bioprocess facilities for various bioproducts. They offer **enhanced safety, simplicity, and flexibility** compared to traditional stainless-steel bioreactors, making them preferred for complex projects like vaccine development and therapeutic production.

TECNIC introduces the ePILOT® SU, a scalable Dual Purpose Bioreactor / Fermenter designed to meet the **distinct needs of both cellular and microbial cultures**.

The ePILOT® SU, ranging from 30L to 50L, provides a significant operational advantage over stainless steel bioreactors by **eliminating the need for re-sterilization and cleaning system validation**. This results in reduced downtime between batches, saving production time, and lowering the risk of cross-contamination, thereby accelerating the commercialization of biopharmaceutical products.

The ePILOT® SU demonstrates a dedication to innovation, offering **precision temperature control, efficient agitation, and comprehensive instrumentation** for superior performance and user convenience in both microbial and cellular bioprocesses.

Additionally, TECNIC's eBAG® 3D complements the ePILOT® SU STR, providing innovative solutions for microbial and cell culture applications, addressing the industry's most demanding challenges.



eBAG® 3D STR  
30 to 50 L

# Key Functionalities

### ePILOT® Bioreactor Single Use

Dual purpose Configuration	Microbial / Cell culture / Dual Purpose
Integrated peristaltic pumps	4x for acid, base, antifoam and media addition
Total Volumes	30-50 L
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
eADVANCED software	Included
Weight measurement, load cell	Included
Pressure control	Included
Gravimetric Control	Optional

### eBAG® 3D STR

Agitation	Included
Bottom ports	5x ports
5-layer Structure (Outer to inner layer)	LPDE 50µm / TIE 10µm / EVOH 20µm / TIE 10µm / ULPDE 230µm
Regulations	GMP
Working Temperature	+5°C to +40°C
Thickness (mm)	0.320
H:D ratio	Microbial 3:1 / Cellular 2:1

