

ePlus

Mixer SU

A highly versatile mixing system
for Life Sciences applications



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ePLUS® Mixer SU: Precision bioprocessing redefined

A comprehensive solution for microbial and cell culture applications. This system is designed to meet various production needs, combining **flexibility with efficiency to support a wide range of bioprocessing tasks**. The ePLUS® Mixer SU system features both non-jacketed and jacketed options, offering versatile solutions for storage, mixing, and precise control requirements.

The ePLUS® Mixer SU incorporates an innovative, **non-invasive temperature sensor**, providing accurate temperature readings. Its **magnetic agitation system** enhances mixing efficiency without the need for mechanical stirrers, reducing maintenance and contamination risks.

- **Working volumes:** available from 50L to 500L
- **Non-Invasive Temperature Monitoring:** Offers precise, real-time temperature data.
- **Efficient Magnetic Agitation:** Achieves superior mixing efficiency through a non-invasive method, enhancing sample integrity and simplifying system maintenance.
- **Integrated Control with Enhanced Functionality:** The seamless integration with the eTANK system elevates the ePLUS® Mixer SU control and functionality, setting a new standard for (microbial and cell culture) processing. This combination not only optimizes operations but also ensures consistent and high-quality outcomes in bioprocessing tasks.

Advanced automation and customization in Single-Use bioprocessing

- Fully automated system with standardized protocols
- Optional heating mechanism for enhanced efficacy
- Control monitoring
- Mobility enhancement
- Customizable capacities



Key Functionalities

General Features

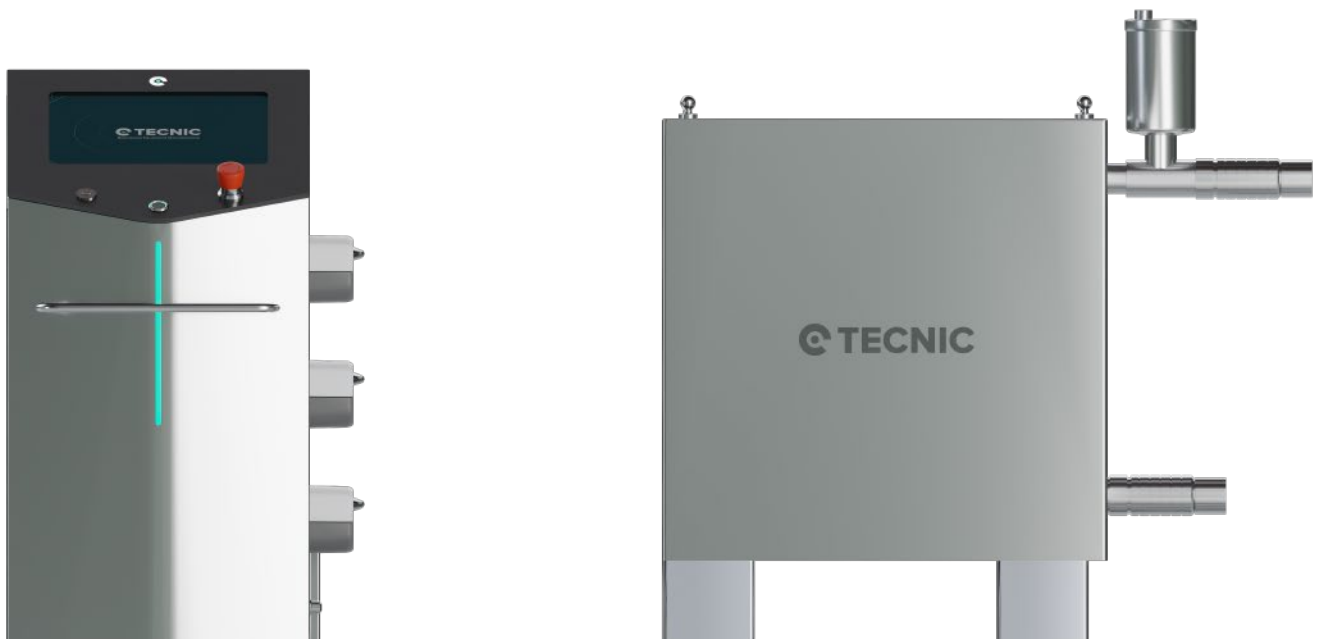
Working volumes	50, 100, 200, 500L
Magnetic agitation	Included
Automatic Volume Addition	Included
Weight Control	Included
Stirrer speed control	Included
OPC server	Included
eBASIC Software	Included
Wheels	Included
Jacketed tank	Optional
eSCADA Basic	Optional
Recipe's management	Optional
User's management	Optional
Temperature Control	Optional
Conductivity/pH SU sensors	Optional

Control System

Control tower	Integrated PLC controller and pumps
Controller type	Industrial PLC
Housing	Stainless steel 304
Operation / Interface	Intouch Screen / eSCADA system
Communication	Ethernet
Advanced software	Compatible with Qubicon and Lucullus

Tank Configuration

Drain location	Included. Bottom part with manual valve.
Lockable door	Included
Jacketed	Optional
Double jacketed	Optional
Jacketed maximum pressure	1,5 bar



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