

# eProd Production Scale Solutions

Optimizing bioprocessing outcomes with innovative engineering and precise regulation for large scale productions.



## **STR** eProd BR

Microbial / Cellular · 100 to 4000 L

Our production stainless steel bioreactors ensures efficient microbial and cell culture production, featuring advanced eSCADA control for precise monitoring and optimal growth conditions.

eBAG 3D STR



## **STR** Single Use eProd STR SU

Dual Purpose · 300 to 1000 L

Engineered for microbial and cell cultures, ensures precise temperature regulation, efficient mixing, and advanced instrumentation, delivering optimal performance and highly controlled sterile processes using our single use eBAG.



## **TFF** eProd TFF

Hollow Fiber / Cassette · Up to 65 m<sup>2</sup> of surface area

Efficient industrial filtration with advanced control systems, customizable filter configurations, and full compliance with GMP guidelines, ensuring optimal performance and reliability. Enables precise and automated diafiltration and concentration for optimized purification processes.

## Optimized Production

TECNIC's production equipment integrates seamlessly with our ePlus systems, creating a streamlined ecosystem for efficient bioprocessing.

### ePlus buffer

Automated system for efficient buffer preparation and storage, designed to reduce bioprocess run times and maintain temperature stability.

### eProd bioreactor

High-performance stainless steel bioreactor for large-scale microbial fermentation and cell culture with advanced control systems.

### ePlus CIP

Clean-in-place system ensuring hygiene, compliance, and minimal downtime.

### ePlus media preparation

Automated system for precise media and buffer formulation, featuring a main vessel with agitation and temperature control, and additional vessels for accurate component addition.

### eProd bioreactor single use

Single-use bioreactor designed for both cellular and microbial cultures, scalable from 300L to 1000L, eliminating the need for re-sterilization and reducing downtime between batches.

### eProd tangential flow filtration

Fully automated TFF system designed for industrial-scale operations for efficient downstream processing.



**eProd**  
bioreactor

**eProd**  
bioreactor  
single use

**eProd**  
tangential flow filtration

**Multi use**  
Vessels

**Single use**  
Vessels

**Cassette: 6.84-34.2**  
**Hollow Fiber: 12.1-36.3**  
Filter area (m<sup>2</sup>)

**4455x6198x5125**  
Size in mm

**3000x4800x3000**  
Size in cm

**3017x2840x1353**  
Size in mm

**100 to 4000**  
Volumes (L)

**300 · 1000**  
Volumes (L)

**500**  
Volume (L)

**Stainless Steel**  
Housing Material

**Stainless steel**  
Housing Material

**Stainless steel**  
Housing/Vessel Material

**Jacketed**  
Vessel

**Jacketed**  
Vessel

**Versatile holder**  
**accommodating**  
Range of filter options

**eSCADA Advanced**  
Software

**eSCADA Advanced**  
Software

**eSCADA Advanced**  
Software

**2x Variable Speed**  
**2x Fixed Speed**  
Peristaltic pumps

**4x Variable Speed**  
Peristaltic Pumps

**2x Peristaltic Pumps**  
Diafiltration / Permeate Control

**Asynchronous**  
Motor

**700**  
Weight (Kg)

**x1 Recirculation (Twin Screw)**  
**x1 For CIP (Centrifugal)**  
Double Pumping System

## Global reach, local support

Our global distributor network is ready to provide specialized products and support in your region. Please contact your local distributor to work with TECNIC.

[sales@tecnic.eu](mailto:sales@tecnic.eu)