

TECNIC

BIOPROCESS EQUIPMENT MANUFACTURING

ePROD **REACTOR / FERMENTER / MIXER**



TECNIC's Pharma reactors are equipment designed and manufactured entirely on company premises and offer all possible combinations for each process.

The range of reactors is designed to serve needs from pilot scale to small scale productions (up to 1000L). TECNIC offers multiple options of agitation, instrumentation and other process elements in order to ensure the control of all the variables. In addition, they can incorporate cleaning and sterilization systems (CIP / SIP).

eSCADA

Based on a Supervising Control And Data Acquisition (SCADA) type system and built of the Wonderware System Platform architecture, this software allows the management of basic process control parameters up to advanced recipes and report management.

By means of loops, this software allows to control variables such as pH (acid, base, CO₂), pO₂ (up to 4 cascades including gases and agitation), temperature and antifoaming, as well as the prediction of cell behaviour at metabolic level with in-situ cell viability sensors

eSCADA BASIC

The standard software that runs the equipment, where the process can be controlled, visualized and graphed, as well as export results in an efficient way.



eSCADA ADVANCED(optional)

The upgraded version for process automation that allows recipes management and control loops. Both versions can include GMP and CFR 21 Part 11 modules.



pH, temperature, pressure and foam/level digital sensor

Light Indicator for a quick status view (green, orange and red)

Electrical and Control Panel

Test Valve Assembly

ePROD Vessel
Our vessels are made of Stainless Steel 316L with a working volume of 100 L

Magnetic Agitation with a dust protection box

Emergency Valve

Cover System Elevation

Electric Resistant

