tecninox group

BIOTECH MODULES SUPERSKID

MODULAR APPROACH FOR BIOTECH PRODUCTS

THE GIANTS' CHALLENGE

Biotech Modules Superskid represents a notable challenge from an engineering point of view.

The Modular Approach requires to envision the whole plant as a structure of big building blocks. When the plant is disassembled, the mechanical team does not disassemble and separate each component but the building blocks – aka the modules.

Each module is designed as standalone sub-systems (the skid), where multiple components will be collocated on, and it should be easily disconnected and reconnected with other modules to be operative at customer's site.

THE MODULAR APPROACH

is highly recommended for large plants

Modular Approach is not always applicable, but it is recommended for large plants.
The benefits of this method are several, as the reduction of field activities, re-works, commissioning and on-site tests; a shorter project schedule; a faster response to inconveniences. The result is a substantial cost control.

BIOTECH PREPARATIONS:

a rising demand

Buffer and media are fundamental materials in biotech industries, whose demand has substantially increased.

Buffer solution is an aqueous solution used to resists to pH variations by using a mixture of conjugate acid–base pairs. The buffers are indispensable to mass production of vaccines and monoclonal antibodies.
Those normally applied in biotech formulation have specific chemical attributes to control process steps and variables.

Culture or growth media, instead, is a solid/semi-liquid/ liquid mixture of nutrients and specific substances that create the perfect environment to support the growth of microorganism.


WE LISTEN, WE DESIGN,
WE CREATE WITH PASSION.

IT IS THE MIND THAT SHAPES THE STEEL

Solutions for the pharmaceutical and biotechnological industries

asterisko.org - Ed. 2022

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Find out more on Process plants