AZO. LIQUIDS



BUILT AROUND YOUR PRODUCT

INSIDE YOUR PROCESS SYSTEM:

DESIGN, CONTROL, EFFICIENCY AND RETROFITTING SOLUTION

Engineered for Your Product

Each vessel is as individual as your process demands. Its configuration defines its performance — from geometry to surface finish and integration features. You decide the level of precision and automation, and can expand functionality later with tailored mixing, heating, or cleaning modules to perfectly match evolving production requirement.

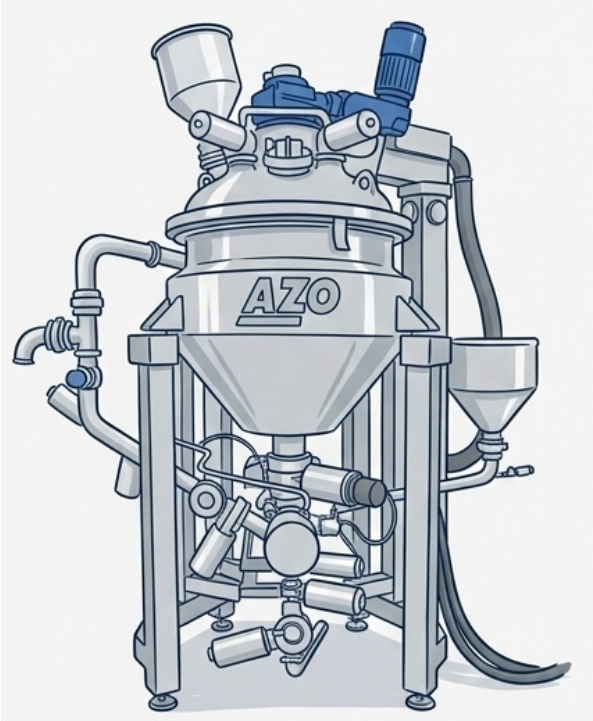
Vessel

Designed specifically for your process, the vessel is where the magic happens and your product comes to life.

Its design has been specifically customized in order to meet the requirements of your product.

Throughout the years, constant improvements in technologies and expertise, has made it evolve to be always more efficient and reliable.

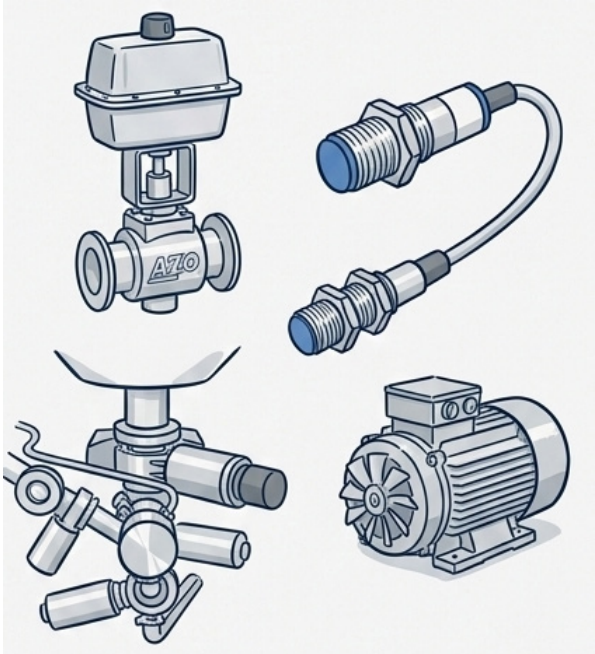
This is the key part of your installation, and the surrounding environment will adapt to integrate seamlessly with it.
Each part will be studied to ensure optimal compatibility.



Components (homogenizer, motors, valves, sensors)

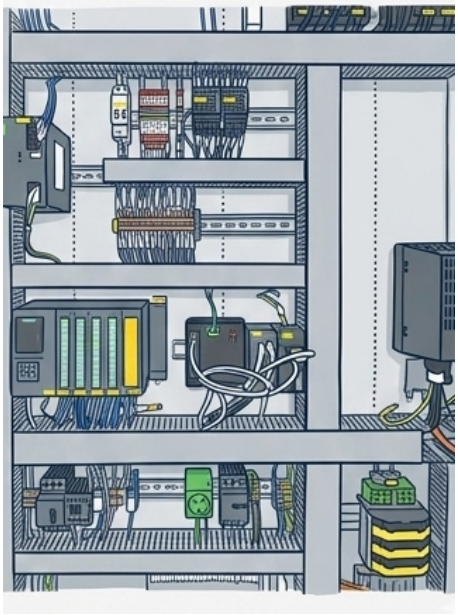
All components around the vessel is what will make your process alive. They will be carefully chosen to work perfectly with the vessel and give your product the perfect result.
Components are crucial to production and hygiene through cleaning operations. Choosing the right components ensure: the best quality for your product, efficient batch production schedule, reliable and effective cleaning and greatly minimized downtime for maintenance.

You are left with a highly reliable and efficient production system.





Electrical cabinet



Each component will be powered with the right driver. Using the PLC, the frequency inverters, and specific communication cards, information is safely transmitted between the machine and the software.

Each component on the machine is controlled through an interface inside the electrical cabinet to ensure communication with the PLC and the software.

It is specifically proportioned to your system requirements and the stand of the component.

Software (SCADA)



Tailor-made for your machine; it allows you to control your interface in one click.
The user-friendly interface will provide efficiency and joy by producing. By analyzing your process, we are able to implement all production phases required to run your system with utmost efficiency. At any time you can check your system, observe trends, and optimize data.

The software provides batch reports to ensure traceability. Moreover, it can be connected to your ERP, allowing you to cross-check production data and enabling production planning based on real-time stock levels and active orders.

TECHNICAL SCOPE & IMPLEMENTATION	
Control Infrastructure & Hardware	Complete migration of the electrical cabinet to the latest PLC generation.
Advanced HMI Integration	Installation of a high-resolution HMI console featuring a customized SCADA-style process visualization.
Software Optimization & Logic	Full software stack update, implementing advanced control algorithms for tighter tolerances and improved batch repeatability
Safety & Connectivity	Integration of upgraded safety circuits (SIL-rated components) and IoT-ready interfaces for remote diagnostics and 24/7 technical support.

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