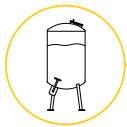




STERILE LIQUIDS & BIOLOGICAL PLANTS



LIQUIDS

THE GLOBAL MARKET OF THE SVP / LVP, BIOTECH ORIGIN PRODUCTS AS WELL AS BLOOD DERIVATIVE PRODUCTS IS GROWING FAST WITH NEW INSTALLATIONS ALL OVER THE WORLD.

All these products are highly critical as they must be sterile, pyrogen free without any-microbial agent. OLSA long experience in processing plants grants an absolutely appropriate design and allows customers to benefit a specific know-how resulting in the most effective return on costs.



KEY POINTS IN STERILE PLANTS DESIGN

- ⊕ Sanitary design and execution without dead legs
- ⊕ Appropriate mixing with minimization of product sedimentation
- ⊕ Product full recovery
- ⊕ Total control of all process parameters
- ⊕ Cleanable and sterilizable in-situ
- ⊕ Automatic control system minimizing any possible wrong manoeuvre
- ⊕ Fully integration to loading systems for active ingredients / cytotoxic / sterile powders

