

Transparent Agitated Tank

- Sanitary design
- High transparency
- 100% configurable : designed for fitting your need
- Low mechanical shear agitation
- Sanitary design, with clean-in-place system
- Complete documentation for regulatory submissions

Watch what's happening in your tank !

Process tanks in stainless steel very often require top or side windows to observe the conditions of the mixing operation occurring inside. For instance: check product appearance, adjust the agitation speed, check that the tank is clean. But the windows provide a truncated view, with a lot of dim spots due to scarce lightning.

Based on twenty years of experience with agitated chromatography column, VERDOT Ips² offers a range of transparent tanks, from 2 to 2000L, based on a transparent acrylic tube fitted to stainless steel top and bottom heads. All the tanks have a sanitary design and are equipped with clean-in-place spray nozzles.

Such tanks can be used in very wide range of applications such as: product preparation, Tangential filtration, chemical reaction, slurry preparation, etc.

Regulatory documentation & material trackability

Depending on the fluid (liquid/gas) and on the service pressure, the tank may be submitted to various categories of the pressure vessel directive (2014/68/UE).

It will be thus delivered with consequent documentation, including third part inspection report when applicable.

For use in pharmaceutical environment, a complete trackability file, enclosing welding report, 3.1.B certificates and surface finish for stainless steel parts, USP Class VI certificates for elastomers will be supplied

Configurable design

Based on her master model design, VERDOT Ips² can easily configure the tank with features like:

- Agitation with single or dual impellers of various kinds depending on the expected function.
- Axial displacement of the agitation with a pneumatic actuator
- Double jacket with a second outer acrylic tube, for maintaining isothermal conditions
- Custom configured arrays of ports and nozzles in the top and bottom heads, with options for "no dead leg" and "deep tube" connections,...
- Eventual side instruments or valves in the bottom flange.



VERDOT Ips² Transparent tank

