

# 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 Ips<sup>2</sup> 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 Ips<sup>2</sup> 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 Ips<sup>2</sup> Transparent tank

