

Sampling PTE

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PTE - glass-lined sampling technology

The PTE is a customised solution for taking samples from glass-lined storage tanks and reactors. It allows a safe and environmentally friendly taking of representative samples from a corrosive or dangerous liquid.

The system allows the following applications:

- Fast sampling
- Analysis of a product
- Controlling of „Feeding“-operations
- Discontinuous or continuous measuring of material data (pH, rH)

The PTE is made up of approved standard modules. It has a dead space free design and its handling is safe and easy. All product contacting parts are either glass-lined or made of PFA, PTFE and borosilicate glass.

Options and functions

The modular structure allows choosing between different options and functions:

- Leading the product manually or pneumatically remote-controlled to the sampling bottle
- Exhausting gas flows (N₂, etc.)
- Cleaning with dissolvers before sample taking
- Revolving the product in the system with a dual membrane pump
- Installing additional lateral connections

Further advantages of the modules used are the huge outlet, integrable pH measurement, as well as aerating via the system. Absorbing the liquid can either be executed via vacuum or via overpressure.

The sampling can be executed using a customised dip tube with possible aerating or a MultiTube with multiple „inline“ measuring function in the nozzle, through which a flexible PTFE siphon hose is introduced. Also available is a special model where the samples are taken in the bottom outlet valve.

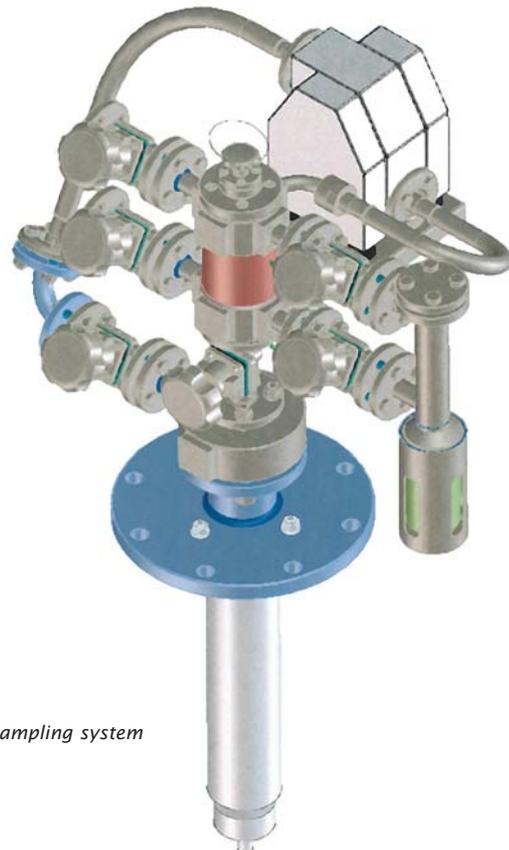
Technical specifications

Operating pressure:	max. 16 bar
Temperature:	max. 200°C
Test volume:	Standard 140 ml or 250 ml
Material:	PFA/RAS GLASS®

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