

PILOTVAP[®]

Process-controlled rotary evaporators



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Important facts

PILOTVAP® is a patented pendulum system rotary evaporator with excellent performance and function

The floating rotating flask reduces mechanical stresses, which results in a safe and powerful distillation process

Patented hydraulic damping system for the rotating flask and the motor unit, to absorb mechanical pulses if e. g. powders are to be dried

Draining of the distillate vessel without aerating the complete evaporator (distillation continues)

Special surface treated glass flanges for best vacuum stability

Excellent solvent recovery thanks to the leak proof sealing system

Vapor temperature control to automatically switch off the heating bath

Automatic vacuum control system

Implosion protection hood for the rotating flask

Bumping and foam prevention by automatic pulse dosing (option - patented)

Automatic speed control (option - patented)

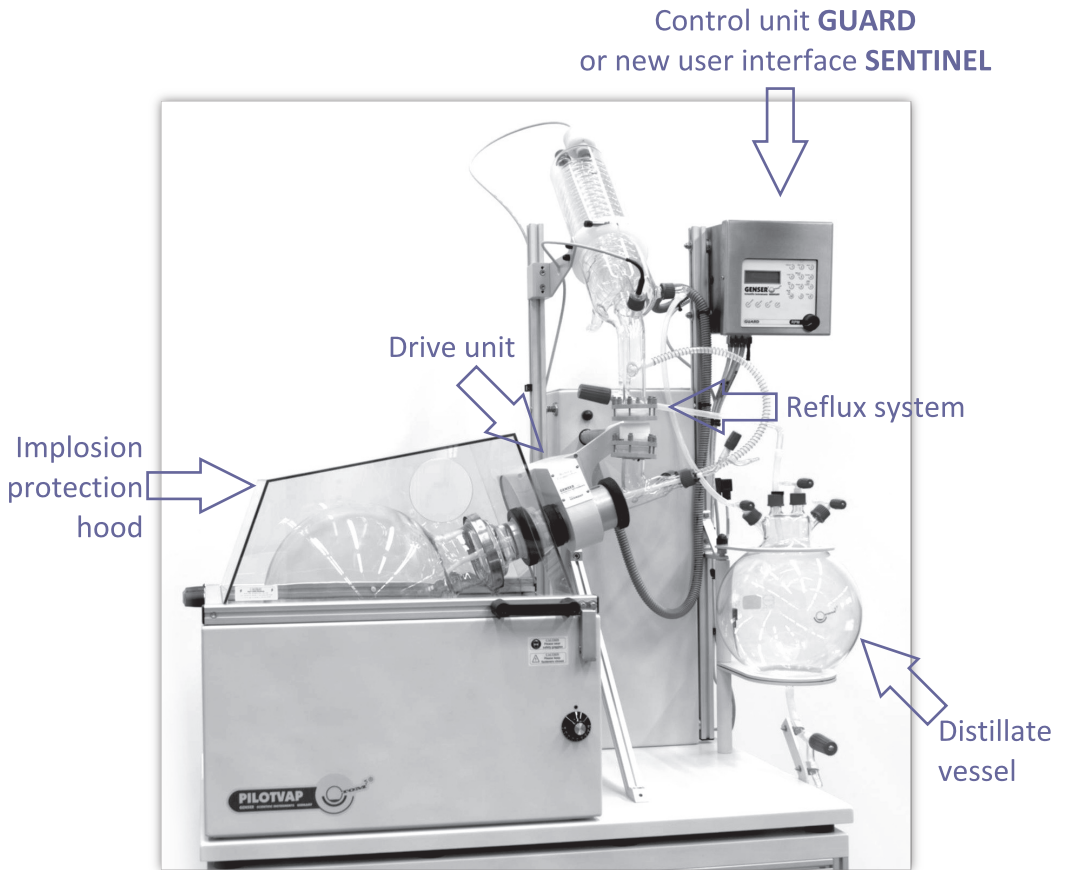
Computer controlled sealing STACON-SEAL (option - patented)

Pulse aerating (option)

High performance sealing system

- PTFE-GLASS process contact
- Life expectancy approx. 20.000 (twenty thousand) running hours
- Warranted for 3 years
- Final vacuum 0.1 hPa (system empty)
- Leakage rate < 5 hPa/h (system empty)
Leakage rate < 2 hPa/h (with high performance PTFE-sealings / option)

Overview of PILOTVAP® features

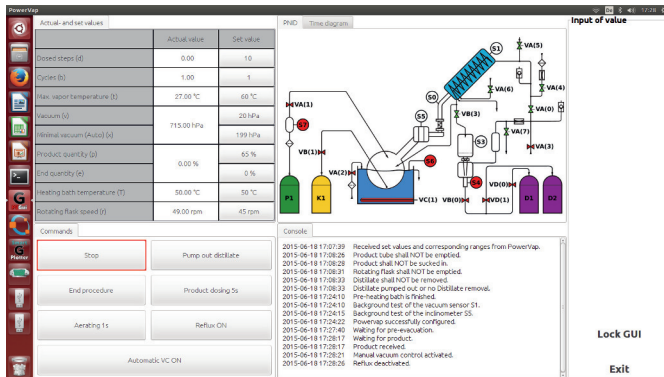


PILOTVAP® applications

- Excellent for solvent recovery
- Especially designed for high boiling solvents
- Concentration of extracts
- Drying of powders
- Concentration of fractions from the preparative HPLC

Graphical user interface SENTINEL

The newest user interface to control our rotary evaporators comfortably



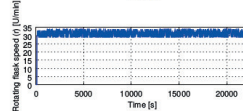
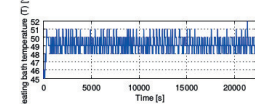
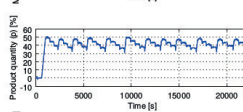
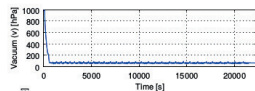
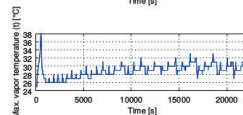
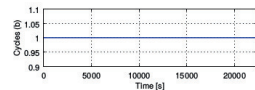
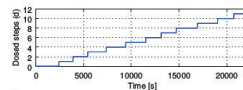
- Tabular input/view of set/actual values
- Using predefined commands to control the system
- Graphical representation of sensors and valves in a PNID

- Logging of all system events
- Logging of all system values for further data analysis
- Creating and executing complex control tasks with our own script-language

Process optimization

All system parameters are saved into CSV files constantly.

Afterwards, programs like Matlab, Octave or even Microsoft Excel can perform a detailed evaluation.



Our local dealer:

