

Programmable Kjeldahl distillation systems with titration

VAPODEST 45s and VAPODEST 50s



These VAPODEST models offer a state-of-the-art technology with modern microprocessor control. All distillation systems are especially good in handling distillations of Kjeldahl digestion solutions as well as physical separation methods of water steam soluble substances and volatile acids.

Versatile applications

VAPODEST watersteam rapid distillation systems are used worldwide, e.g. for the determination of nitrate, nitrite, ammonium, Kjeldahl digestion solutions, volatile acids, sulphur dioxide, ethanol, formaldehyde, phenols as well as other compounds. The fields of application can be found in various matrices, e.g. in:

- Food
- Feed
- Luxury food (beer, wine, liqueur, spirits)
- Cosmetics
- Detergents
- Environmental samples (plants, water, soils, sewage sludge)
- Rotten material from biogas plants and many more

VAPODEST 45s with external titrator

This system is prepared to work in-line with an external titrator which is connected through an interface RS 232. It is mandatory however, to order the upgrade kit (order no. 1001994). Vapodest 45s offers all the benefits of a complete analysis system.

System configuration

- Automatic addition of H_3BO_3
- Automatic addition of H_2O
- Automatic addition of NaOH
- Selectable reaction time
- Programmable distillation time
- Automatic steam generator with adjustable output, maintenance-free, with pressure control and overheating protection
- Automatic sample suction
- 20 programs can be stored and recalled
- Visual and audible error messages
- Lucent protective door with safety switch
- Language selection and many features more

Additional functions when operated with titrator

- Automatic endpoint titration
- Display of consumption of titration solution
- Display of pH-value

VAPODEST 50s with integrated titrator

This system uses an integrated titration system for precise analysis in the sophisticated, fully automated laboratory. A further asset for laboratories with a high sample throughput is the VAPODEST

50s carousel with autosampler. User-friendliness and safety have been top priorities in the development of this system. Profiting from

the experiences of agencies and clients around the world, Gerhardt has collected information and suggestions. The outcome of this vast project is a fully automated distillation and titration system that combines the technology of the 21st century with the experience of such an traditional and prestigious company as C. Gerhardt. VAPODEST 50s offers state-of-the-art developments for laboratories who value complete automation.

VAPODEST-Manager

Control via PC

VAPODEST-Manager is a powerful software, which meets all requirements of a modern laboratory management. The software controls and monitors the entire distillation process and offers versatile possibilities for documentation and keeping a log book.

- Easy operation using common Windows® technology
- Overview of all working conditions and running analyses
- Import and export of sample data via balance, barcode scanner, LIMS system etc.
- Option to create own program libraries
- Various user levels for transparent work organisation
- Application library and many more features