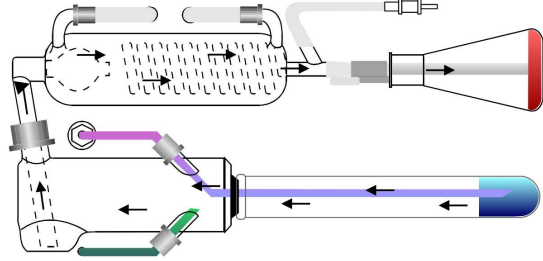


VAPODEST 500

Automatic rapid distillation system with titration and calculation of results

Kjeldahl Method

Main application for the VAPODEST 500. NaOH is added to the acid digestion solution in order to free ammonia. Boric acid in the receiver captures it as ammonia borate. Subsequent titration provides the result.



Steam Distillation

Based on a sample solution (blue) a gaseous material is liberated by adding an reagent (green) and transferred into the receiver solution (red) with the introduction of steam (purple). The built-in condenser precipitates the rising steam and feeds the distillate to the receiver solution (red).



Comfortable

- + Modern, intuitive operation
- + Quick start with predefined methods and favorites list
- + Integration into the existing network with the C. Gerhardt Dashboard
- + Easy transfer of sample data in LIMS from all common peripheral devices
- + Data recording according to ISO 9001, 17025, GLP
- + Illuminated glass components for constant visual control of the analysis process
- + Programmable addition of NaOH, H₂O and H₃BO₃ as well as exhausting of chemical residues



Reliable

- + Designed for high sample throughput and continuous operation
- + Maintenance-free steam generator

Secure

- + Intelligent monitoring of cooling water supply, position of sample glass, function of steam generator and level sensor of chemical canister
- + Selection of method libraries / user levels

Economic

- + „Online“ Titration already during distillation saves analysis time
- + Stand-by Mode

Flexible

- + Maximum freedom for the sample spectrum