

# SMART STEAM DISTILLATION

VOLATILES | SO<sub>2</sub> | ALCOHOL | PHENOLS | KJELDAHL-N



C. Gerhardt proudly presents the brand new development of the successful VAPODEST line.

Additional functions increase the range of applications.

VAPODEST 200 comes micro processor controlled and equipped with embedded PC and 7 inch TFT touch display.

VAPODEST 200 complies with the data management requirements of certified or accredited laboratories (ISO 9001, ISO 17025, GLP).

## UNRIVALED EASE OF USE

- + Quick start concept
- + Favourite method menu
- + Easy menu navigation
- + 7 inch TFT fully coloured display
- + Easy-clean surfaces
- + Back lit glass components

## SAFETY

- + Intelligent supervision of all vital functions
- + Components meet highest safety standards
- + Comprehensive built-in safety systems for operator protection

## EFFICIENCY

- + Energy-saving mode
- + Long-life, robust housing
- + Huge range of glassware options
- + High-quality, reliable components

## FUNCTIONS

- + Programmable, automatic addition of NaOH
- + Programmable distillation time
- + Programmable reaction time
- + Programmable steam power, 10–100 %
- + User accounts with different levels
- + Comprehensive documentation and log function
- + Designed for results to fully conform (e.g. DIN EN ISO, AOAC, EPA, ASTM, EC regulation, APHA, Ph.Eur. 2.5.33 method 7, procedure A)
- + Data export e.g. to LIMS
- + Language selection
- + Tamper-free documentation
- + The optional Software ISOdoc-CREATOR creates ISO 17025-compliant documentation





*„Menu navigation  
as easy as using  
a Smartphone!“*



## ACCESSORIES

Tanks, level sensors for tanks, catalyst tablets, different sizes of glassware and many more accessories are available on request.



## APPLICATIONS

Benefit from our analytical know how and our comprehensive C. Gerhardt Application Data Base.

## SERVICE

Our authorized, well-trained, C. Gerhardt partners offer service and maintenance for your Gerhardt systems according to our guidelines.

## TECHNICAL INFORMATION

Technical Specifications	VAP 200
Variable steam power	10 - 100 %
Size of Display	7 inch, 480x800 pixel, touchscreen
Stand-By-Mode	Yes
Distillation time / sample	approx. 3.5 min
Recovery	> 99.5 %
Reproducibility	± 1 %
Detection limit	0.1 mg N absolute
Safety door	Yes
KJELDATHERM-tube KTG 250/300 ml volume	Standard configuration
Different sizes of digestion tubes can be used	Yes
Different sizes of Kjeldahl-flasks can be used	Yes
Connection to level control	Yes
Level sensors for tanks	Optional
Cooling water pressure	1 - 6 bar
Nominal voltage*	230 V, 50 Hz
Nominal wattage	2200 W
Weight	approx. 34 kg
Dimensions (W x D x H)	527 x 390 x 697 mm
Pre-defined methods	Yes
Customer defined methods	Yes
Pump calibration	Yes
Order-No.	12-0520

\* Other voltages on request

Since 1846  
C. Gerhardt



EN ISO  
9001:2008

Your Dealer:

Technical details correct as from 10/2020  
Later modifications possible



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# ADVANCED STEAM DISTILLATION

KJELDAHL BASIC MODEL | VOLATILES



C. Gerhardt proudly presents the brand new development of the successful VAPODEST line.

Additional functions increase the range of applications.

VAPODEST 300 comes micro processor controlled and equipped with embedded PC and 7 inch TFT touch display.

VAPODEST 300 complies with the data management requirements of certified or accredited laboratories (ISO 9001, ISO 17025, GLP).

## UNRIVALED EASE OF USE

- + Quick start concept
- + Favourite method menu
- + Easy menu navigation
- + 7 inch TFT fully coloured display
- + Easy-clean surfaces
- + Back lit glass components

## SAFETY

- + Intelligent supervision of all vital functions
- + Components meet highest safety standards
- + Comprehensive built-in safety systems for operator protection

## EFFICIENCY

- + Energy-saving mode
- + Long-life, robust housing
- + Huge range of glassware options
- + High-quality, reliable components

## FUNCTIONS

- + Programmable, automatic addition of NaOH and H<sub>2</sub>O
- + Programmable distillation time
- + Programmable reaction time
- + Programmable steam power, 10 - 100 %
- + Programmable suction of sample residue
- + Steam soft start
- + User accounts with different levels
- + Comprehensive documentation and log function
- + Designed for results to fully conform (e.g. DIN EN ISO, AOAC, EPA, ASTM, EC regulation, APHA, Ph.Eur. 2.5.33 method 7, procedure A)
- + Data export e.g. to LIMS
- + Language selection
- + Tamper-free documentation
- + The optional Software ISOdoc-CREATOR creates ISO 17025-compliant documentation







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## ACCESSORIES

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## APPLICATIONS

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## SERVICE

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## TECHNICAL INFORMATION

Technical Specifications	VAP 300
Variable steam power	10 - 100 %
Size of Display	7 inch, 480x800 pixel, touchscreen
Stand-By-Mode	Yes
Distillation time / sample	approx. 3.5 min
Recovery	> 99.5 %
Reproducibility	± 1 %
Detection limit	0.1 mg N absolut
Safety door	Yes
KJELDATHERM-tube KTG 250/300 ml volume	Standard configuration
Different sizes of digestion tubes can be used	Yes
Different sizes of Kjeldahl-flasks can be used	Yes
Connection to level control	Yes
Level sensors for tanks	Optional
Cooling water pressure	1 - 6 bar
Nominal voltage*	230 V, 50 Hz
Nominal wattage	2200 W
Weight	approx. 34 kg
Dimensions (W x D x H)	527 x 390 x 697 mm
Pre-defined methods	Yes
Customer defined methods	Yes
Pump calibration	Yes
Order-no.	12-0530

\* Other voltages on request

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# COMFORTABLE STEAM DISTILLATION

MODEL WITH EXTENDED FUNCTIONS DESIGNED FOR KJELDAHL ANALYSIS



C. Gerhardt proudly presents the brand new development of the successful VAPODEST line.

Additional functions increase the range of applications.

VAPODEST 400 comes micro processor controlled and equipped with embedded PC and 7 inch TFT touch display.

VAPODEST 400 complies with the data management requirements of certified or accredited laboratories (ISO 9001, ISO 17025, GLP).

## UNRIVALED EASE OF USE

- + Quick start concept
- + Favourite method menu
- + Easy menu navigation
- + 7 inch TFT fully coloured display
- + Easy-clean surfaces
- + Back lit glass components

## SAFETY

- + Intelligent supervision of all vital functions
- + Components meet highest safety standards
- + Comprehensive built-in safety systems for operator protection

## EFFICIENCY

- + Energy-saving mode
- + Long-life, robust housing
- + Huge range of glassware options
- + High-quality, reliable components

## FUNCTIONS

- + Programmable, automatic addition of NaOH, H<sub>2</sub>O and H<sub>3</sub>BO<sub>3</sub>
- + Programmable distillation time
- + Programmable reaction time
- + Programmable steam power, 10 - 100 %
- + Programmable suction of sample residue
- + Steam soft start
- + User accounts with different levels
- + Comprehensive documentation and log function
- + Designed for results to fully conform (e.g. DIN EN ISO, AOAC, EPA, ASTM, EC regulation, APHA, Ph.Eur. 2.5.33 method 7, procedure A)
- + Data export e.g. to LIMS
- + Language selection
- + Tamper-free documentation
- + The optional Software ISOdoc-CREATOR creates ISO 17025-compliant documentation





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## ACCESSORIES

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## APPLICATIONS

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## SERVICE

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## TECHNICAL INFORMATION

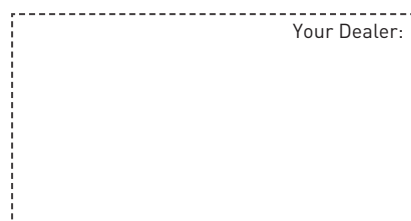
Technical Specifications	VAP 400
Variable steam power	10 - 100 %
Size of Display	7 inch, 480x800 pixel, touchscreen
Stand-By-Mode	Yes
Distillation time / sample	approx. 3.5 min
Recovery	> 99.5 %
Reproducibility	± 1 %
Detection limit	0.1 mg N absolut
Safety door	Yes
KJELDATHERM-tube KTG 250/300 ml volume	Standard configuration
Different sizes of digestion tubes can be used	Yes
Different sizes of Kjeldahl-flasks can be used	Yes
Connection to level control	Yes
Level sensors for tanks	Optional
Cooling water pressure	1 - 6 bar
Nominal voltage*	230 V, 50 Hz
Nominal wattage	2200 W
Weight	approx. 34 kg
Dimensions (W x D x H)	527 x 390 x 697 mm
Pre-defined methods	Yes
Customer defined methods	Yes
Pump calibration	Yes
Order-no.	12-0540

\* Other voltages on request

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