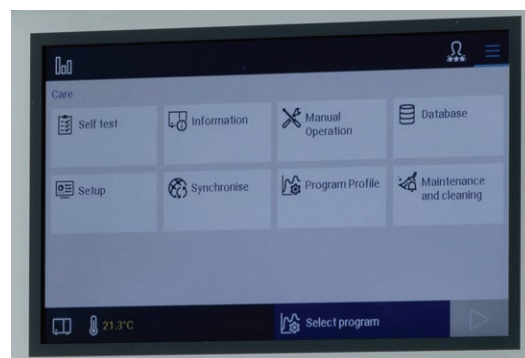


Kjeltec™ 9 Distillator

Future-proof productivity in your laboratory



ANALYTICS BEYOND MEASURE

The Kjeltec™ 9 Distillator is a fully automated distillation unit designed primarily for Kjeldahl analysis, but widely used for many different distillation applications.

Innovative features and built in safety

Ensure safe operations with FOSS pioneered SAFE mode for safe distillation of samples that form salt cakes and bellow pumps for accurate reagent dispensing. A variable output steam generator broadens the application area to other volatile components.

A versatile solution that reduces operational costs

Accurate reagent dispensing reduces cost per test, a self-adjusting cooling water system saves water to further reduces cost, while long-life components ensure minimal downtime. Corrosion-free materials and alkali resistant plastic splash head/tube draining vessel secure long instrument lifetime.

Lab operations built on traceability and trust

Gain insight and traceability with networking software that collects instrument data from different instruments all in one place. All data is recorded and backed up automatically and is easy-to-share.

Sample type

Raw materials and finished products in food, feed and agriculture

Parameters

Nitrogen, protein and ammonia

Technology

Fully automated distillation for Kjeldahl and other nitrogen based applications or chemical analysis methods.

Verified methods

Kjeltec™ 9 is verified against official standards such as AOAC, EPA, DIN, GB and ISO for simplified validation.

Specifications

Performance data at 230 V	
Analysis time	3.5 minutes at 30 mg N (6.5 minutes at 200 mg N)
Distillation capacity	~ 40 ml/min at 230 V (at 100 % steam addition)
Measuring range	0.1 - 210 mg N
Reproducibility	1% RSD (including the digestion step)
Recovery	99.5 - 100.5% at nitrogen levels between 1 - 200 mg N
Tube draining	200 ml in less than 10 seconds
Reagent pump volume	0 - 150 ml in steps of 10 ml
Delay	0 - 1800 seconds
SAfE (FOSS pioneered)	Auto 5 seconds
Variable steam addition	30-100% in steps of 10%
Software	FossCare™, SmartCare™

Installation requirements	
Power supply	200 – 240 VAC 50 – 60 Hz
Tolerable voltage variation	± 10%
Power consumption	3000 W
Water consumption (during distillation only)	3 l/min at water temp of 30°C 1 l/min at water temp of 15°C
Ambient temperature	5 - 40 °C
Ambient humidity	max. 80% relative
Drain	For cooling water only
Weight net	46 kg
Dimensions (wxdxh) cm	50 × 48 × 76

Accessories

- Manual titration unit complete, 50 ml
- Basket for 20 receiver flasks (250 ml)
- Receiver flasks, 250 ml (set of 10)
- Kit for distillation by-pass
- Cable for connection of external titrator

This instrument is SmartAnalytics™ enabled. Turn your data into actionable insights that give you full control of your production across sites. Increase your efficiency, accuracy and uptime to ensure the safe and consistently high-quality food and feed products your customers expect.

Contact your local sales representative to learn more about the potential value in your business.



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