velp®

ANALYTICAL INSTRUMENT Sale

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ANALYTICAL INSTRUMENT SALE

DK SERIES SEMI-AUTOMATIC DIGESTION UNITS

Kjeldahl Digestion Units with aluminium heating block that offers an excellent thermal homogeneity.

The DK Series digestion unit with aluminium heating block ensures high thermal homogeneity heating up to 450°C. The temperature of the block is constantly controlled by a microprocessor and is extremely stable, homogeneous and precise: ±0.5°C at all selectable temperatures.

The DK Series guarantees accuracy and repeatability. The DK series perform batch digestion of samples, reducing the energy consumption (-13% compared to the previous series). Low energy consumption provides lower costs of analysis and limits CO_2 release.

DK 6
6 position
Performs batch digestion of up to 6 samples with 250mL test tubes - Ø 42mm
ROWE CODE: ID0296

DK 20
20-position
Performs batch digestion of up to 20 samples with 250mL test tubes - Ø 42mm
ROWE CODE: ID0305

DK 8
8 position
Performs batch digestion of up to 8 samples with 250mL test tubes - Ø 42mm
ROWE CODE: ID0300

DK 42/26
42 position
Performs batch digestion of up to 42 samples with 100mL test tubes - Ø 26mm
ROWE CODE: ID0307

DK 18/26
18 position
Performs batch digestion of up to 18 samples with 100mL test tubes - Ø 26mm
ROWE CODE: ID0303

velp®

DKL SERIES AUTOMATIC DIGESTION UNITS

Automatic Kjeldahl Digestion Units with a aluminium heating block that offers excellent thermal stability and homogeneity.

DKL digesters are fully automatic and immediately ready to use, as they consist of an aluminium heating block, a lift for automatic sample handling, suction hood, test tubes, test tube rack and drip tray.

The DKL series provides the operator with the ultimate technology that allows the laboratory technician to set up the analysis choosing from a library of 54 programs (30 pre-installed + 24 customisable), press START and walk away, boosting the lab productivity.

Ease of loading and unloading make the VELP DKL a pleasure to use when carrying out Kjeldahl analysis, and there is no need to handle the sample when the tubes are hot!

DKL 8
8 positions
ROWE CODE: ID0070

DKL 12
12 positions
ROWE CODE: ID0069

DKL 20
20 positions
ROWE CODE: ID1704

DKL 42/26
42 positions
ROWE CODE: ID0205

FUME CONTROL

For applications where the digestion process produces fumes, acid gases or corrosive substances, it is strongly recommended to combine with dedicated scrubbing accessories.

KS 1000 Scrubber

Designed to neutralise toxic fumes produced during mineralisation and safeguard lab operators without requiring any connection to tap water.

ROWE CODE: IS0652

ANALYTICAL INSTRUMENT SALE

SEMI-AUTOMATIC DISTILLATION UNITS For Kjeldahl protein determination

UDK 129 Kjeldahl Distillation Unit

Entry-level distillation for Kjeldahl protein determination, Non-Protein Nitrogen (NPN), volatiles and more.

Entry-level and reliable solution for safe distillations. Suitable for laboratories looking for a simple but efficient instrument for Kjeldahl nitrogen TKN, proteins, ammoniacal nitrogen, nitric nitrogen (Devarda), TVBN, sulfites, phenols, volatile acids, cyanides, and alcohol content.

The UDK 129 includes:

- Programmable sodium hydroxide addition;
- High-precision pump ensuring constant accurate dosing of the reagent;
- Intuitive interface for easy analysis settings;
- Maximum safety for the operator, wide accessory range.

ROWE CODE ID0326

UDK 139 Semi-Automatic Kjeldahl Distillation Unit

For Kjeldahl protein determination, Non-Protein Nitrogen (NPN), volatiles and more.

A convenient and reliable solution for safe, semi-automated distillations. Perfect for laboratories looking for precise and reproducible results of Kjeldahl nitrogen TKN, proteins, ammoniacal nitrogen, nitric nitrogen (Devarda), TVBN, sulfites, phenols, volatile acids, cyanides, and alcohol content.

The UDK 139 combines excellent value-for-money with high reliability and advanced performance.

- The semi-automatic process ensures efficient operations;
- Programmable water and sodium hydroxide addition;
- Selectable steam generation output level 10% – 100%;
- Auto removal of residues from sample tube;
- Clear and intuitive operations thanks to the Smart User Interface and digital display;
- Maximum safety for the operator;
- Unmatched flexibility with a wide accessory range.

ROWE CODE ID0327

UDK 149 Automatic Kjeldahl Nitrogen Protein Analyzer

Automatic distillation for Kjeldahl protein determination, Non-Protein Nitrogen (NPN), volatiles and more. Connection to external potentiometric titrators for higher sample throughput.

The UDK 149 is designed for maximum versatility and reproducible results when determining Kjeldahl nitrogen TKN, proteins, ammoniacal nitrogen, nitric nitrogen (Devarda), TVBN, sulfites, phenols, volatile acids, cyanides, and alcohol content. It can be used in combination with several models of external potentiometric titrators for higher sample throughput and direct output of the final result.

- Connection to various external titrators for automated processing and efficient operations;
- Premium result accuracy and precision;
- Programmable boric acid, water, sodium hydroxide addition;
- Selectable steam generation output level 10% – 100%;
- Auto removal of residues from sample tube;
- Clear and intuitive operations thanks to the Smart User Interface and digital display;
- Maximum safety for the operator, wide accessory range.

ROWE CODE ID0328

UDK 159 Automatic Kjeldahl Nitrogen Protein Analyzer

Fully automatic distillation and titration for Kjeldahl protein determination, Non-Protein Nitrogen (NPN), volatiles and more. Precision, accuracy, and safety.

Designed for high-throughput laboratories looking for precise and reproducible results of Kjeldahl nitrogen TKN, proteins, ammoniacal nitrogen, nitric nitrogen (Devarda), TVBN, sulfites, phenols, volatile acids, cyanides, and alcohol content.

Includes:

- Shortest time-to-results with online titration and automatic results calculation;
- Premium result accuracy and precision thanks to the integrated colorimetric titrator with high precision burette;
- Programmable boric acid, water, sodium hydroxide addition;
- Selectable steam generation output level 10% – 100%;
- Auto removal of residues from titrator & sample tube;
- Clear and intuitive operations thanks to the Smart User Interface and digital display;
- Maximum safety for the operator, wide accessory range.

ROWE CODE ID0329

UDK 169 WITH AUTOKJEL AUTOSAMPLER NITROGEN PROTEIN ANALYZER

Fully automatic distillation and titration for Kjeldahl protein determination, Non-Protein Nitrogen (NPN), volatiles and more. Connection to autosampler for high sample throughput and unattended operation.

The UDK 169 is designed for high-throughput laboratories looking for precise and reproducible results of Kjeldahl nitrogen TKN, proteins, ammoniacal nitrogen, nitric nitrogen (Devarda), TVBN, sulfites, phenols, volatile acids, cyanides, and alcohol content.

UDK 169 can be used in combination with the seperately purchased AutoKjel autosampler, for a highly productive system capable of autonomously processing sample tubes, which are fed directly into the fully automatic distillation and titration unit.

The fully automatic process ensures efficient operations, distillation and titration performed simultaneously.

- Shortest time-to-results with online titration and automatic results calculation;
- Premium result accuracy and precision thanks to the integrated colorimetric titrator with high precision burette;
- Programmable boric acid, water, sodium hydroxide addition;
- Selectable steam generation output level 10% – 100%;
- Auto removal of residues from titrator & sample tube;
- Clear and intuitive operations thanks to the Smart User Interface and digital display;
- Maximum safety for the operator.

ROWE CODE ID0331
COMPLETE UNIT WITH AUTO-SAMPLER

ANALYTICAL INSTRUMENT SALE

ELEMENTAL ANALYSERS

velp®

ROWE CODE IA0070

NDA 702 Dumas Nitrogen Analyser

The NDA 702 Dumas elemental Analyser is the best solution for high throughput labs looking for a fast and safe Analyser.

VERSATILE
Seamlessly choose between Helium and Argon as carrier gas without hardware modifications.

FAST
NDA 702 produces N/Protein results in just 3 to 4 minutes totally unsupervised and cloud-enabled.

PRECISE AND INTUITIVE
The lowest LOD of 0.001 mgN with Helium assures high precision results and excellent reproducibility. The easy-to-use DumaSoft™ software provides an intuitive user experience.

- ermes enabled

The NDA 702 is supplied with everything necessary for the first 1000 analysis and complimentary spare parts.

CN 802 Carbon-Nitrogen Analyser

The CN 802 is a robust and flexible combustion Analyser, that works in accordance with official reference methods. It determines the carbon and nitrogen in many industrial sectors such as agriculture, environmental, food & feed and chemical.

ROBUST AND FLEXIBLE
Fully automatic determination of TC, TOC and TIC (after acidification), TN and Carbon/ Nitrogen Ratio.

PRECISE
The NDIR (Non Dispersive Infrared) detector and LoGas™ TCD (Thermal Conductivity Detector) designed by VELP, guarantees unmatched precision and unrivaled LOD.

INTUITIVE
The CN 802 is easy to use thanks to the user-friendly CNSoft™ software which includes maximum safety controls for the instrument.

- ermes enabled

The CN 802 is supplied with everything necessary for the first 1000 analysis and complimentary spare parts.

ROWE CODE IA0155

CALL YOUR LOCAL ROWE OFFICE TO FIND OUT MORE

www.rowe.com.au

EMA 502 Elemental Analyser CHNS-O

The EMA 502 Elemental Analyser CHNS-O is the accurate and reliable solution for the simultaneous determination of carbon, hydrogen, nitrogen, sulfur and oxygen in various industrial sectors such as pharma and life science, organic chemistry, petrochemistry and energy, environmental, agronomy, food & feed.

All-IN-ONE SOLUTION
Combustion and pyrolysis in a single Analyser avoiding the need for external modules.

ACCURATE
EMA 502 is a flexible and robust Analyser, designed for superior reliability with high performance and accuracy.

UNMATCHED EASE OF USE
Intuitive operation with the powerful EMASoft™ software. Comprehensive reporting features and pre-loaded methods of analysis.

- ermes enabled

The EMA 502 Elemental Analyser is supplied with all necessary parts to perform up to 1000 analyses CHNS.

ROWE CODE IA0286

5 & 6 decimal place balances are available to compliment your chosen elemental analyser.

Adding value to automation via the cloud

Velp Analytical Analysers, thanks to their connectivity to VELP ermes, allows you to reduce routine operations with real-time monitoring of your elemental analyser wherever you are, at any time.

Velp Analytical Analysers are designed for continuous work with fully automated processes, VELP ermes allows you to manage multiple instruments, consumables, workflows and to drastically reduce diagnostic time to ensure a superior level of service with maximum data security and protection of your data.

Immediate notifications and alerts will allow you to be always informed about the status of your analysis and thanks to the remote interruption you will have total control of your processes ensuring maximum security.

Access the database of your instrument in total security through the VELP ermes platform and work with your colleagues creating and sharing reports from PC, smartphone and tablet.

ermes cloud based connectivity software

1 OR 3 YEAR SUBSCRIPTION FOR UP TO 10 INSTRUMENTS

- Improve your laboratory experience with secure ermes Cloud Platform and access to your VELP instruments working conditions and data anytime and anywhere.
- Monitor and manage multiple instruments and consumables 24/7 from your PC, tablet or smart-phone with ermes.
- Real time visualisation of your analysis and of your instrument working conditions.
- ermes collects and stores your data with the maximum level of encryption following the highest cyber-security standards.
- Effortlessly connect your instrument to ermes cloud platform via secure Wi-Fi or cable.

ROWE CODE IV0171 or IV0172

Offer pricing expires 30 September 2026 or until stocks last and is subject to GST.

ANALYTICAL INSTRUMENT SALE

EMA 402XL - MACRO ANALYSER CHNS

The EMA 402XL is the first high-temperature combustion elemental analyser designed for the quantitative determination of carbon, hydrogen, nitrogen, and sulfur with exceptional automation and productivity. Its capability to handle macro sample weights, paired with an innovative preparation workflow using reusable ceramic crucibles, ensures accurate results even with challenging and heterogeneous matrices. These features make it an ideal solution for applications ranging from petrochemicals to environmental and agricultural analysis.

Fully Automated Analysis

- Integrated 100-position electronic autosampler for sequential and non-sequential runs
- Automated workflow enables unattended operation and continuous sample processing
- Available in CHNS and CN operating modes

Macro samples with re-usable Crucibles

- Simplified sample preparation for solid and liquid samples
- High sample capacity with up to 3g per analysis for improved representativeness
- Automatic ash removal supports continuous 24/7 operation

Adaptive Combustion

- Reagent free, high-efficiency furnace up to 1350°C
- Automatic real-time combustion optimisation
- Evaluation of the Total Oxygen Demand (TOD) during combustion

Low Operating Costs

- Reagent-free combustion ensures minimal consumable usage
- Extended reagent lifetimes, ensuring long-lasting performance
- Use of helium or argon as carrier gas with no hardware modification

Extra-Large Weighing Capacity for Solid and Liquid

The EMA 402XL can directly analyze solid and liquid samples up to 3 grams using reusable ceramic crucibles.

By accommodating larger portions, the crucibles simplify sample preparation and provide more representative results, making the system well suited for challenging, heterogeneous samples.

After analysis, the ashes remain in the crucible and are removed along with it. This automates ash handling, prevents build-up in the combustion zone, and eliminates the need for furnace tube maintenance.

Analyser, carbon, hydrogen, nitrogen and sulfur. 100 position autosampler, includes start up consumables 2000 analyses.
ROWE CODE IA0527

Analyser, carbon, nitrogen. 100 position autosampler, includes start up consumables 2000 analyses.
ROWE CODE IA0528

FIBRE ANALYSERS - AUTOMATIC & SEMI AUTOMATIC

velp®

Automatic

FIWE Advance produces accurate results that always comply with official ISO and AOAC methods for both Crude Fibre and Detergent Fibre.

In addition, the FIWE Advance method using crucibles avoids the loss of fibre due to the transfer of the sample which remains in the crucible for the duration of the analytical procedure.

The sample in fact remains inside the crucibles during the extraction, digestion, washing and filtration phases, and also during weighing and finally for drying and ashing eliminating the risks of error.

ROWE CODE IF0285

FIWE advance automatic fiber analyser. Fibre Extractor. Crude & detergent determination, 6 positions, automatic operation. Velp FIWE advance, 1 year free subscription to ERMES cloud based application

Semi-Automatic

FIWE 3 and FIWE 6 are fibre analysers suitable for raw fibre extraction, conventionally known as an indigestible residue. Rapid analysis, reliable results and high reproducibility are some of the most relevant benefits of these units which are ideal for the following applications:

- The Weende method, the oldest analytical procedure still in use today, in which fibre concentration is measured as crude fibre (CF).
- The Neutral Detergent Fibre (NDF), a method developed by Van Soest, now the most common measure of fibre used for animal feed analysis.
- Acid Detergent Fibre (ADF), a portion of the plant fibre and includes cellulose, lignin and variable amounts of xylans.
- Acid Detergent Lignin (ADL) determination and Wijkstrom technique, a modification of the Weende method.

ROWE CODE IR0117

Raw fibre extractor. 3 positions. Velp FIWE 3

ROWE CODE IR0118

Raw fibre extractor. 6 positions. Velp FIWE 6

Rapid and efficient filtration

CSF6 is optimal for efficient filtration, after the samples have been processed by the Enzymatic Digester GDE.

This VELP combination allows the analysis to be carried out in accordance with the official AOAC (Determination of Total Dietary Fibre) method with a drastic reduction in the time required compared to the manual procedure.

CFS6 filtration unit is able to perform single or multiple samples at the same time, up to a maximum of 6 samples at the same time, in less than 20 minutes, even at full load.

ROWE CODE IE0243

Extractor - Dietary fiber CSF6, 230v/50Hz

ANALYTICAL INSTRUMENT SALE

OXITEST OXIDATION STABILITY REACTOR

The oxidation stability tests performed with the OXITEST reactor accelerate the lipid's oxidation process that in normal conditions can last weeks or months and provide fast, accurate and reliable results for Food & Feed, Cosmetic, Pharma and Petrochemical industries.

The OXITEST provides added value information for Quality Control and Research & Development Labs for:

- Quality control of raw materials and ingredients
- Transportation and effects on goods
- Storage period studies
- Product Development and behavior
- Formula Optimisation
- Ingredient and alternative ingredients testing
- Process optimisation
- Packaging study and alternative packaging comparison

Features:

2 oxidation chambers, high constant temperature 0-110°C, 0-8 bar, 900W, 230V 50-60hz, plus 1 year free subscription to ermes cloud based application

ROWE CODE: IR2500

AREC 4 Hotplate Magnetic Stirrer

5L Capacity

Digital, up to 550°C, ceramic top plate (100 x 100mm) with pt100 probe, support rod & clamp

ROWE CODE: IM1212

AREC 7 Advance Hotplate Magnetic Stirrer

20L Capacity

Digital and rampable temperature and speed displays, up to 350°C, ceramic coated alloy plate (180 x 180mm), 30 - 1700 rpm, ermes enabled

ROWE CODE: IM1375

AREX 5 Hotplate Magnetic Stirrer

20L Capacity

Analog, up to 300°C, ceramic coated round plate (135mm), 100 - 1500 rpm, torque compensated speed control

ROWE CODE: IM0898

AREX 5 Advance Hotplate Magnetic Stirrer

20L Capacity

Digital and rampable temperature and speed displays, up to 310°C, ceramic coated alloy round plate (135mm), 30 - 1700 rpm, ermes enabled

ROWE CODE: IM1374

SOLVENT EXTRACTORS

SER 158 Series Automatic Solvent Extractor

SER 158/3 (3 sample positions) and **SER 158/6** (6 sample positions) are fully automatic and cloud-enabled extractors that guarantee security, accuracy and precision in the determination of extractable matter according to Randall and Twisselmann.

- Analyses up to 5 times faster than traditional Soxhlet.
- The solid-liquid extraction process removes the soluble components from solids using a liquid solvent in 5 steps.
- Safe and powerful heating combined with advanced software and security processes guarantee reproducible extraction results.
- Fully automated to maximise productivity and free operator time. Just Load & Go!
- Can work with all sample types and sizes thanks to its unparalleled versatility and wide range of accessories and consumables.
- A universal solvent extractor and combining up to 4 units enables you to perform multiple applications independently and simultaneously.
- Able to connect to Velp ermes via Wi-Fi.

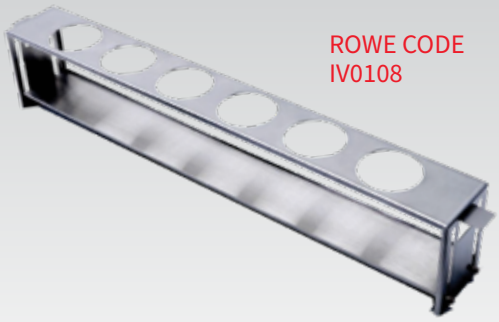
ROWE CODE SER 158/3: IS0169
ROWE CODE SER 158/6: IS0168

ROWE CODE SER 158/3: IS0169

ROWE CODE SER 158/6: IS0168

ACCESSORIES TO SUIT VELP SER 158

Handling Device Extraction Cups



ROWE CODE IV0108

Extraction Cup STD

ROWE CODE IV0087

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