



Lab Solutions



DKL Digesters Series

Fully Automatic
Digestion Units





Lab Solutions

Foods are all substances that supply energy and the components essential for growth and preservation of the vital functions when ingested. Their compositions must be defined in terms of proteins, carbohydrates and fats for their nutritional content, in conformity with international standards.

The innovative equipment manufactured by VELP Scientifica provides substantial assistance to food and feed specialists involved in production and research.

DKL Series

DKL Fully Auto Digesters

Once again, VELP leads the way with an Unmatched Offer. A complete package providing Innovation, Savings and Quality. A product designed with your needs in mind. The new series of DKL digesters is the key to achieving your objectives ...

Can be connected to



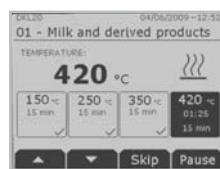
DKL Automatic Digesters Series



35% Reduction in Energy Consumption reducing CO2 emissions and cutting costs. Saves 0.95 kWh per analysis.



Auto Suction Cap prevents the emission of fumes into the lab.



User-Friendly: with a Graphic Display allowing the user to monitor every stage of analysis; wide selection of languages.



Auto Lift to reduce manual handling and increase user-safety.



Compact Profile: thanks to a narrower footprint, saving valuable bench space.

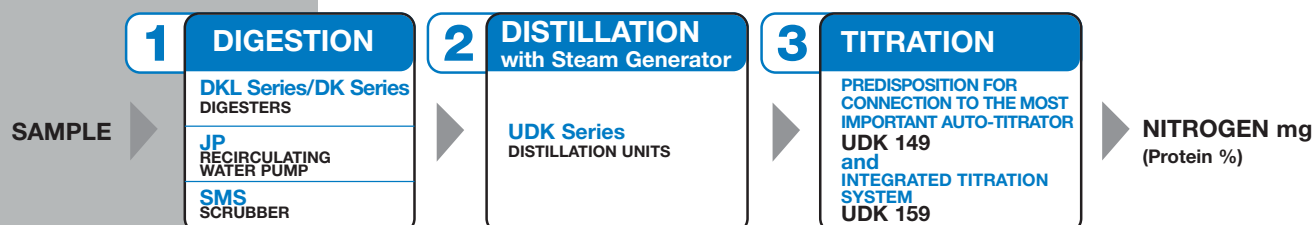
DKL, for extremely reliable analyses

Features and Benefits

- Fully Automated for Unsupervised Digestion
- Eco-friendly
- Rapid Heating
- Safe
- Extremely Compact
- Versatile

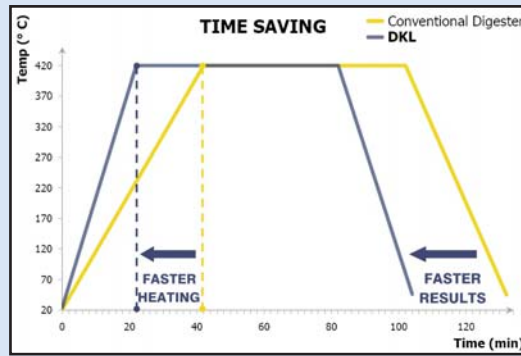
High performance and high reliability during sample preparation for Kjeldahl Analysis

VELP Solution for KJELDAHL Analysis

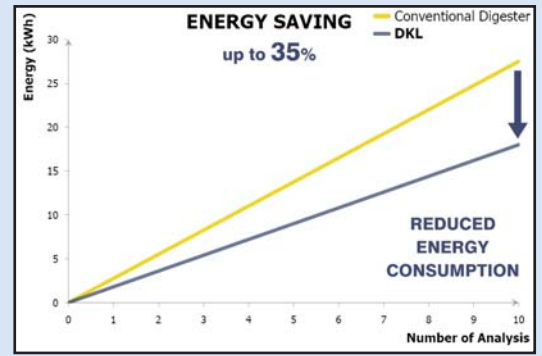




TEMS technology saves
Time, Energy, Money and Space



Time Saving with faster heating



Energy Saving as much as 35%

DKL 8



8x250 ml

DKL 12



12x250/400 ml

DKL 20



20x250 ml

DKL 42/26

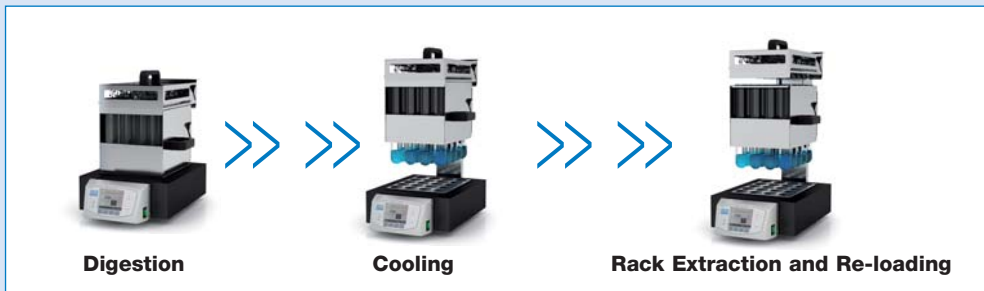


42x100 ml

Microkjeldahl tubes (100 ml) are suitable for samples with a high nitrogen/protein content, 250 ml for standard Kjeldahl digestion and Jumbo tubes (400 ml) for samples with a low nitrogen/protein content.

Microkjeldahl tubes need a dedicated system (heating block, rack and suction cap). Jumbo tubes need only a dedicated rack.

Fully Automated and Unsupervised Digestion in 3 Steps



“SMS” Unit is designed for the neutralization of toxic and corrosive fumes coming from oxidative mineralization or other processes.

- Highly efficient
- Usable for both Basic and Acid Neutralization
- Safe and Practical to Use



“JP” Unit is the innovative recirculating water pump for aspirating fumes. Two operating mode selections.

- Automization and Optimization of the Suction Power
- Reduced Water Consumption
- Abatement of Emissions

Fields of Application

The DKL Series is suitable for a variety of applications including the determination of nitrogen, protein, COD, TKN etc. in accordance with official methods.



Food, feed and beverage industry



Environmental industry



Pharmaceutical and chemical industry

Fields of Application

Instrument	Power supply	Code No	Optional Accessories	Code No
DKL 8	230 V / 50-60 Hz	S30100200	Sample rack for DKL8	A00000173
DKL 8	115 V / 50-60 Hz	S30110200	Sample rack for DKL12	A00000172
DKL 12	230 V / 50-60 Hz	S30100190	Sample rack for DKL20	A00000168
DKL 20	230 V / 50-60 Hz	S30100210	Sample rack for DKL42/26	A00000180
DKL 42/26	230 V / 50-60 Hz	S30100180	Stand for sample rack for DKL8	A00000184
			Stand for sample rack for DKL12	A00000183
			Stand for sample rack for DKL20-DKL42/26	A00000182
			Test tubes Ø 42x300 mm, 250ml 3pcs/box for DKL8-DKL12-DKL20	A00000144
			Test tubes Ø 26x300 mm, 100ml 6pcs/box for DKL42/26	A00000146
			IQ/OQ Manual for DKL8-DKL12-DKL20-DKL42/26	A00000186
			USB cable A/B 1,8mt for DKL8-DKL12-DKL20-DKL42/26	10003134

Supplied with



Lift

Code for DKL8 A00000170
 Code for DKL12 A00000176
 Code for DKL20 A00000167
 Code for DKL42/26 A00000167



Sample rack

Code for DKL8 A00000173
 Code for DKL12 A00000172
 Code for DKL20 A00000168
 Code for DKL42/26 A00000180



Suction cap and drip tray

Code for DKL8 A00000175
 Code for DKL12 A00000174
 Code for DKL20 A00000169
 Code for DKL42/26 A00000179



Test tubes

Code for DKL8 A00000144
 Code for DKL12 A00000144
 Code for DKL20 A00000144
 Code for DKL42/26 A00000146

Description

Construction Material	Stainless steel with chemical resistant coating
Lift and Suction Cap Control	Automatic
Control System	Microprocessor with LCD Graphic Display
Temperature Range	Ambient to 450 °C / 842 °F
Temperature Stability	± 0.5 °C
Temperature Precision	± 0.5 °C
Set Temperature	Digital Readout in °C, °F or K
Temperature Calibration	Automatic
Program Library	54 Program library, including 24 user-programmable memories
Temperature Ramping	4 ramps per program
Time Selection	1 to 999 Minutes - 1 Minute Steps
Countdown	Digital Readout
Languages	UK, I, E, F, RUS, CN + Additional downloadable
Interface	USB
Run Completed Alert	Visual and Acoustic Signal
Damaged Temperature Probe	Automatic Detection and Alarm Message
Capacity	DKL 8: 8 x 250 ml, DKL 12: 12 x 250 / 400 ml, DKL 20: 20 x 250 ml, DKL 42/26: 42 x 100 ml
Power	DKL 8: 1150 W, DKL 12: 1500 W, DKL 20 and DKL 42/26: 2300 W
Overall Dimension in mm (in) (WxHxD)	DKL 8: 210x690x540 (8.3x27.2x21.3), DKL 12: 266x690x540 (10.5x27.2x21.3), DKL 20 and DKL 42/26: 322x690x584 (12.7x27.2x23.0)
Overall Weight in kg (lb)	DKL 8: 19.7 (43.5), DKL 12: 23.3 (51.4), DKL 20: 30.8 (68.0), DKL 42/26: 33.5 (74.0)

Your authorized agent:

We reserve the right to make technical alternations
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Constant Commitment to
 Knowledge Development



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