

# DKL FULLY AUTOMATIC SERIES



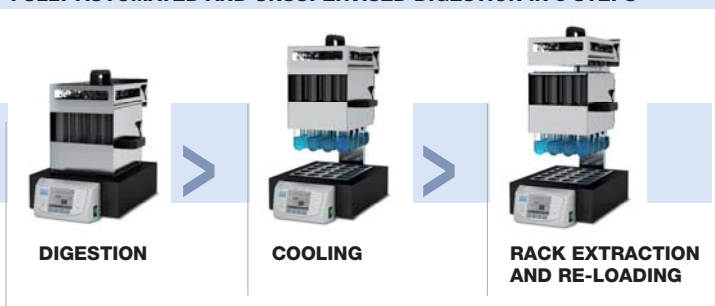
The **fully auto DKL Series** is composed of an aluminum heating block offering **excellent temperature homogeneity, precision and accuracy**; an auto lift and an auto suction cap and is supplied as a complete package including test tubes, sample rack and drip tray.

**High-tech but simple to use**, a microprocessor controls the block temperature whilst an electronic auto-calibration system ensures **excellent reliability and repeatability of analysis**. A practical interface with LCD graphic display allows access to all the data including the multi-language library and the 54 programs available, 24 of which are user-programmable. DKL digestion units are **extremely compact** with a narrow footprint for optimum use of space on the lab bench. Data can be printed or stored in a PC.

INSTRUMENT	POWER SUPPLY	CODE No
DKL 8 *	230 V / 50-60 Hz	S30100200
DKL 8 *	115 V / 50-60 Hz	S30110200
DKL 12 *	230 V / 50-60 Hz	S30100190
DKL 12 *	115 V / 50-60 Hz	S30110190
DKL 20 *	230 V / 50-60 Hz	S30100210
DKL 42/26 *	230 V / 50-60 Hz	S30100180

\* DKL Series comes including lift, suction cap, sample rack and test tubes

## FULLY AUTOMATED AND UNSUPERVISED DIGESTION IN 3 STEPS



DKL Series incorporates VELP's revolutionary **TEMS™ technology** for unprecedented **savings in terms of Time, Energy - as much as 35%, Money and Space**.



<b>TIME SAVING:</b> FROM AMBIENT TO 420 °C IN ONLY 22 MINUTES, WITH FAST PROGRAMMING	<b>ENERGY SAVING:</b> 35% REDUCTION IN ENERGY CONSUMPTION, CUTTING CO <sub>2</sub> EMISSION	<b>MONEY SAVING:</b> HUGE COST REDUCTION FOR EACH ANALYSIS	<b>SPACE SAVING:</b> REDUCE UNNECESSARY USE OF SPACE
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ACCESSORIES FOR COD ANALYSIS *	CODE No
COD Test tubes Ø 42x200 mm, 200 ml, 3 pcs/box	A00000145
DKL 20 COD Sample rack	A00000237
Air refrigerator with ground cone	A00001041
Antisplash bell	A00001045
PTFE sheat for 29/32 cone	A00001042

\* DKL 20 only



SUPPLIED WITH	CODE No
DKL 8 Sample rack	A00000173
DKL 8 Suction cap and drip tray	A00000175
DKL 8 / DKL 12 / DKL 20 Test tube Ø 42x300 mm, 250 ml, 3 pcs/box	A00000144
DKL 12 Sample rack	A00000172
DKL 12 Suction cap and drip tray	A00000174
DKL 20 Sample rack	A00000168
DKL 20 Suction cap and drip tray	A00000169
DKL 42/26 Sample rack	A00000180
DKL 42/26 Suction cap and drip tray	A00000179
DKL 42/26 Test tube Ø 26x300 mm, 100 ml, 6 pcs/box	A00000146

OPTIONAL ACCESSORIES	CODE No
DKL 8, 12, 20 Glass cap	A00000243
DKL 42/26 Test tube Ø 26x300 mm, 100 ml, 6 pcs/box	A00000146
DKL 8 / DKL 12 / DKL 20 Test tube Ø 42x300 mm, 250 ml, 3 pcs/box	A00000144
DKL 12 Test tube Ø 50x300 mm, 400 ml, 1 pcs/box	A00000185
DKL 8 Sample rack	A00000173
DKL 12 Sample rack	A00000172
DKL 12 Sample rack for 400 ml test tubes	A00000181
DKL 20 Sample rack	A00000168
DKL 42/26 Sample rack	A00000180
DKL 8 Stand for sample rack	A00000184
DKL 12 Stand for sample rack	A00000183
DKL 20 / DKL 42/26 Stand for sample rack	A00000182
USB cable A/B, 1.8 mt	10003134
IQ/OQ Manual for DKL Series	A00000205



GENERAL FEATURES	DK SERIES		DKL FULLY AUTO SERIES		
	CONSTRUCTION MATERIAL	Epoxy painted stainless steel structure		Stainless steel with chemical resistant coating	
NUMBER OF POSITIONS	DK 6: 6 pos. x 250 ml • DK 6/48: 6 pos. x 300 ml DK 8: 8 pos. x 250 ml • DK 20: 20 pos. x 250 ml DK 20/26: 20 pos. x 100 ml • DK 42/26: 42 pos. x 100 ml		DKL 8: 8 pos. x 250 ml • DKL 12: 12 pos. x 250/400 ml DKL 20: 20 pos. x 250 ml • DKL 42/26: 42 pos. x 100 ml		
SET TEMPERATURE	Digital readout in °C or °F		Digital readout in °C or °F or K		
TEMPERATURE RANGE	Ambient to 450 °C (842 °F)		Ambient to 450 °C (842 °F)		
COUNTDOWN	Digital readout		Digital readout		
LANGUAGES	UK, I, E, F, D, T		UK, I, E, F, RUS, CN + Additional Customizable (downloadable)		
INTERFACE	RS232		USB		
POWER	DK 6: 1100 W • DK 6/48: 1100 W • DK 8: 1350 W DK 20: 2300 W • DK 20/26: 1100 W • DK 42/26: 2300 W		DKL 8: 1150 W • DKL 12: 1500 W DKL 20: 2300 W • DKL 42/26: 2300 W		
OVERALL DIMENSIONS (WxHxD) (including lift / support system)	DK 6: 295x462x549 mm (11.6x18x13.3 in) DK 6/48: 295x462x546 mm (11.6x18.2x13.3 in) DK 8: 235x566x587 mm (9.2x22.3x23.1 in) DK 20: 328x702x585 mm (12.9x27.6x23 in) DK 20/26: 295x462x546 mm (11.6x18x13.3 in) DK 42/26: 328x702x585mm (12.9x27.6x23 in)		DKL 8: 210x690x540 mm (8.3x27.2x21.3 in) DKL 12: 266x690x540 mm (10.5x27.2x21.3 in) DKL 20: 322x690x584 mm (12.7x27.2x23.0 in) DKL 42/26: 322x690x584 mm (12.7x27.2x23.0 in)		
OVERALL WEIGHT (including lift / support system)	DK 6: 16.2 kg (35.7 lb) • DK 6/48: 15.6 kg (34.4 lb) DK 8: 21.9 kg (48.3 lb) • DK 20: 20.0 kg (44.1 lb) DK 20/26: 18.8 kg (41.4 lb) • DK 42/26: 20.7 kg (45.6 lb)		DKL 8: 19.7 kg (43.5 lb) • DKL 12: 23.3 kg (51.4 lb) DKL 20: 30.8 kg (68.0 lb) • DKL 42/26: 33.5 kg (74.0 lb)		
PERFORMANCE	PROGRAM LIBRARY	20 user-programmable programs		54 programs (30 standard + 24 user-programmable)	
	SELECTABLE RAMPS	Up to 4 ramps per program		Up to 4 ramps per program	
	DIGESTION TIME RANGE	From 1 to 999 minutes		From 1 to 999 minutes	
	TIME SELECTION	1 minute steps		1 minute steps	
	STABILITY AND PRECISION OF HEATING BLOCK TEMPERATURE	± 0.5 °C		± 0.5 °C	
SAFETY	OVERTEMPERATURE	Thermostat		Thermostat	
	DAMAGED TEMPERATURE PROBE	Automatic detection and alarm message		Automatic detection and alarm message	
	LIFT MOVEMENT	-		Automatic	

## SMS SCRUBBER



	POWER SUPPLY	CODE No
SMS	-	F307C0199

### SMS SCRUBBER

SMS Scrubber is designed for the **neutralization of toxic and corrosive fumes**. Its working process is generally composed by 3 stages:

- Condensation
- Neutralization with acids and bases
- Absorption with activated carbon (optional)

Thanks to the elevated surface of contact between gas and liquid, SMS prevents hazardous emission into the laboratory and environment.

	SMS
CONSTRUCTION MATERIAL	Epoxy painted stainless steel structure
POWER	-
DIMENSIONS (WxHxD)	300x500x190 mm (11.8x19.7x7.5 in)
WEIGHT	3.5 kg (7.7 lb)



## JP RECIRCULATING WATER PUMP



	POWER SUPPLY	CODE No
JP	230 V / 50 HZ	F30620198
JP	230 V / 60 HZ	F30630198
JP	115 V / 60 HZ	F30640198

### JP RECIRCULATING WATER PUMP

JP Recirculating Water Pump is the innovative solution for **aspirating toxic fumes**. JP provides a **considerable water saving** thanks to the principle of water recirculation in its tank. VELP Recirculating Water Pump is made with high-quality materials and equipped with special features. JP is **designed to last** and to offer **high performance** in terms of efficiency (up to 35 l/min flow rate).

	JP
CONSTRUCTION MATERIAL	ABS
POWER	160 W
DIMENSIONS (WxHxD)	250x400x370 mm (9.8x15.7x14.6 in)
WEIGHT	8.4 kg (18.5 lb)

