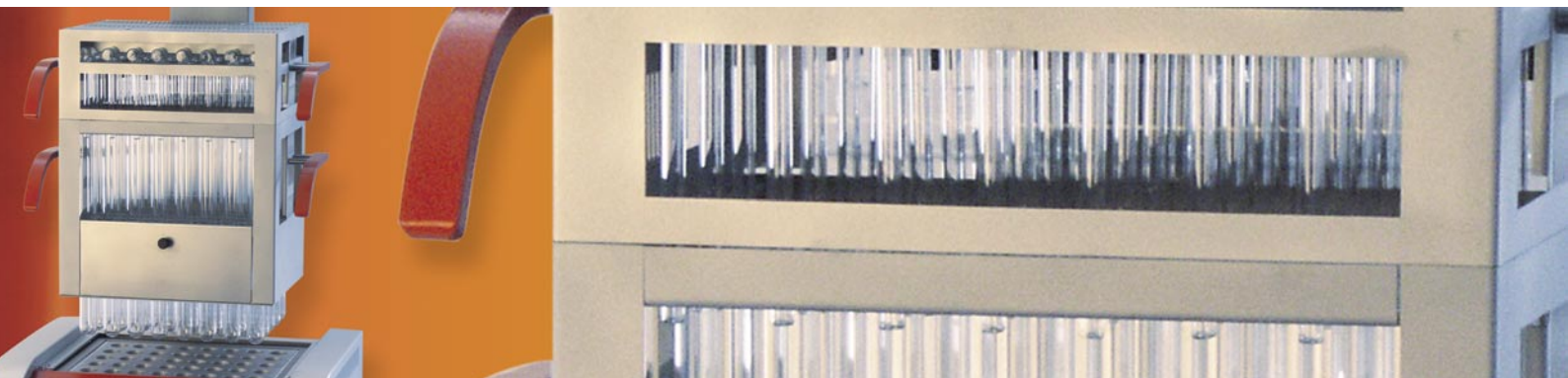


Kjeldahl Digestion

behr Kjeldahl Block Digestion Systems



K 40

Standard Kjeldahl block digestion systems behr K 8, K 12 and K 20

Block digestion systems with high grade corrosion-resistant block casing of stainless steel. With 8, 12 or 20 sample positions for standard Kjeldahl digestion vessels of volume 250 ml. High power heater and extraction hood with exhaust gas collector.

- behr one-button operation for extremely simple and fast programming
- Menu designed in language of the country
- 10 freely configurable programmes for block temperature and digestion time
- Applications storable

The supplied Windows software permits the user to transfer time/temperatures profiles, which are specifically for the application, via the RS232 interface in both directions between one or more units (K 8, K 12 and K 20) and a PC. A library with common applications is already included on the CD. Temperature data can also be transmitted from the unit to the PC via the RS232 interface while operating. The user can save them if necessary and print them out as graphics.

Stable, robust construction. Both the block casing and the rack for the digestion vessels, as well as the extraction hood, are made of acid-resistant, stainless steel. Complete systems with digestion vessels, rack and extraction hood are available.

Available with 230 V ~/50-60 Hz and 115 V~/50-60 Hz.

Standard Kjeldahl block digestion systems

Model	Article description	230 V~ Art.-No.	115 V~ Art.-No.
K 8	With 8 sample positions, for digestion vessels of volume 250 ml	804849100	8048491005
K 12	With 12 sample positions, for digestion vessels of volume 250 ml	804849101	8048491015
K 20	With 20 sample positions, for digestion vessels of volume 250 ml	804849102	8048491025
K 8 B	With 8 sample positions, for digestion vessels of volume 500 ml	804849110	8048491105



K 12

Micro Kjeldahl block digestion systems behr K 16, K 24 and K 40

Block digestion systems with high grade corrosion-resistant block casing of stainless steel. With 16, 24 or 40 sample positions for micro Kjeldahl digestion vessels of volume 100 ml. High power heater and extraction hood with exhaust gas collector.

- behr one-button operation for extremely simple and fast programming
- Menu designed in language of the country
- 10 freely configurable programmes for block temperature and digestion time
- Application storable

The supplied Windows software permits the user to transfer time/temperatures profiles, which are specifically for the application, via the RS232 interface in both directions between one or more units (K 16, K 24 and K 40) and a PC. A library with common applications is already included on the CD. Temperature data can also be transmitted from the unit to the PC via the RS232 interface while operating. The user can save them if necessary and print them out as graphics.

Stable, robust construction. Both the block casing and the rack for the digestion vessels, as well as the extraction hood, are made of acid-resistant, stainless steel. Complete systems with digestion vessels, rack and extraction hood are available

Available with 230 V ~/50-60 Hz and 115 V~/50-60 Hz.

Micro-Kjeldahl block digestion system

Model	Article description	230 V~ Art.-No.	115 V~ Art.-No.
K 16	With 16 sample positions, for digestion vessels of volume 100 ml	80 48 49150	80 48 491505
K 24	With 24 sample positions, for digestion vessels of volume 100 ml	80 48 49151	80 48 491515
K 40	With 40 sample positions, for digestion vessels of volume 100 ml	80 48 49152	80 48 491525



K 20

Technical data for behr Kjeldahl block digestion systems

	K 8		K 12		K 16/K 24		K 20/K 40	
Voltage	230 VAC/115 VAC							
Frequency	50/60 Hz							
Power consumption	1000 W		1500 W		1500 W		2200 W	
Voltage	230 V	115 V	230 V	115 V	230 V	115 V	230 V	115 V
Current consumption	5 A	10 A	8 A	16 A	8 A	16 A	10 A	20 A
Weight approx. (incl. vessels)	approx. 28 kg		approx. 30 kg		approx. 30 kg		approx. 34 kg	
Dimensions in cm (W x D x H)	approx. 42 x 51 x 76,5				approx. 48 x 51 x 76,5			
Temperature Range	450 °C							

behr Kjeldahl block digestion systems with fully automatic lift

behr Kjeldahl block digestion systems of the L series are fitted with a fully automatic lift. This relieves the user of handling the heavy sample unit and hot chemicals. The software controls both the sample lift and the behrosog 3, thus enabling practically fully automatic digestion to be carried out.

At the end of the digestion, the lift drives up the complete unit with the framework and suction hood. After a RAM-programmed cooling/suction time, it raises the suction hood and drives it into the final position.

- The temperature profiles and starting time are freely programmable
- behr one-button operation for extremely simple and fast programming

The supplied Windows software permits the user to transfer time/temperatures profiles, which are specifically for the application, via the RS232 interface in both directions between one or more units (K 12 L, K 20 L, K 24 L and K 40 L) and a PC. A library with common applications is already included on the CD. Temperature data can also be transmitted from the unit to the PC via the RS232 interface while operating. The user can save them if necessary and print them out as graphics.

Available with 230 V ~/50-60 Hz and 115 V~/50-60 Hz.

behr Kjeldahl block digestion systems with fully automatic lift

Model	Article description	230 V~ Art.-No.	115 V~ Art.-No.
K 12 L	Automatic Kjeldahl block digestion system with lift. 12 sample positions, for digestion vessels of volume 250 ml	80 48 49160	80 48 491605
K 20 L	Automatic Kjeldahl block digestion system with lift. 20 sample positions, for digestion vessels of volume 250 ml	80 48 49161	80 48 491615
K 24 L	Automatic micro Kjeldahl block digestion system with lift. 24 sample positions for digestion vessels of volume 100 ml	80 48 49162	80 48 491625
K 40 L	Automatic micro Kjeldahl block digestion system with lift. 40 sample positions for digestion vessels of volume 100 ml	80 48 49163	80 48 491635



K 40 L

Kjeldahl Digestion

Accessories

Model	Article description	Art.-No.
KT 1	Catalyst tablets (5,0 g K_2SO_4 ; 0,5 g $CuSO_4$), Box of 1000 tablets	80 48 40100
KT 2	Catalyst tablets (5,0 g K_2SO_4 ; 0,15 g $CuSO_4$; 0,15 g TiO_2), Box of 1000 tablets	80 48 40101
KT 3	Catalyst tablets (3,5 g K_2SO_4 ; 0,4 g $CuSO_4$), Box of 1000 tablets	80 48 40103
AFS	Antifoam tablets, Box of 1000 tablets	80 48 40102
SIST 100	Boiling stone for Kjeldahl digestion, content 100 g	80 48 30700
WB 1	Nitrogen-free weighing boats (58 mm x 10 mm x 10 mm) for Kjeldahl digestion, 100 boats	80 48 40104
SR 3i	Round bottom digestion vessel, 250 ml	80 48 41015
SR 4	Round bottom digestion vessel, 100 ml for Micro Kjeldahl	80 48 41016
KJ 500	Round bottom digestion vessel, 500 ml	80 48 51051
KJ 750	Round bottom digestion vessel, 750 ml for InKjel	80 48 51076
EG 12/100	Frame for 12 reaction vessels of 100 ml in the InKjel 1210 (M or P)	80 48 49964
EG 6	Frame for 6 reaction vessels of 250 ml in the InKjel 625 (M or P)	80 48 49983
EG 12	Frame for 12 reaction vessels of 250 ml in the InKjel 1225 (M or P)	80 48 49984
EG 4/500	Frame for 4 reaction vessels of 500 ml in the InKjel 450 (M or P)	80 48 49982
EG 4/750	Frame for 4 reaction vessels of 750 ml in the InKjel 475 (M or P)	80 48 49978
AE 4	Fume extraction unit for the InKjel 450 and InKjel 475 (M or P)	80 48 49985
AE 6	Fume extraction unit for the InKjel 625 (M or P)	80 48 49986
AE 12/100	Fume extraction unit for the InKjel 1210 (M or P)	80 48 49965
AE 12	Fume extraction unit for the InKjel 1225 (M or P)	80 48 49987

Process extraction system

Model	Article description	230 V~ Art.-No.	115 V~ Art.-No.
behrosog 3	Process extraction system with suction pump (40 l/h), condensation step and neutralisation step	80 48 40008	80 48 400085
ACS	Additional cooling system for behrosog 3	80 48 40009	

Technical data for extraction system behrosog 3

Voltage	230 VAC/115 VAC
Frequency	50/60 Hz
Current consumption	80 W
Weight	approx. 18 kg
Dimensions in cm (W x D x H)	approx. 38 x 34 x 40
Pump capacity	max. 40 l/min without back pressure



behrosog 3



SIMVAC

SIMVAC

Model	Article description	Art.-No.
SIMVAC	Suction device with water jet pump and neutralisation bottle incl. hose and frame	80 48 40005