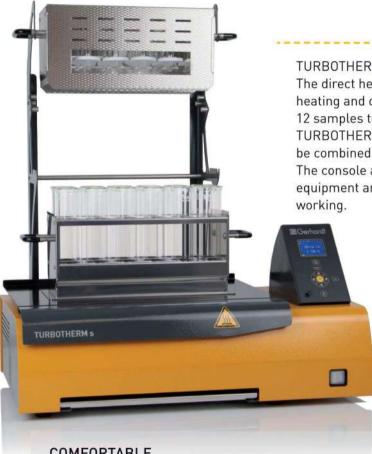


RAPID DIGESTION UNIT

FOR DIGESTIONS WITHOUT DELAY IN BOILING



TURBOTHERM is a digestion unit based on infrared technology. The direct heat input by infrared radiation provides short heating and cooling times: Only 10 minutes are needed to bring 12 samples to boil.

TURBOTHERM is flexible: Using the respective insert rack, it can be combined with digestion tubes of 100 to 800 ml volume. The console attachment can take the insert rack, the exhaust equipment and the drip tray, and thus, facilitates convenient







COMFORTABLE

- During cooling, the insert rack with the digested samples is safely put on the console attachment
- The drip tray can be stored within the unit
- The heating elements cool down quickly
- The improved housing provides an optimal heat distribution
- The scrubber unit TURBOSOG or the water-free working VACUSOG for separation and neutralization of inorganic acid fumes can be connected and automatically controlled via the TURBOTHERM unit

FLEXIBLE

- Quick heat-up and cooling down of the samples
- Comfortable operating unit with fully coloured display
- For smallest and big sample amounts including heavy foaming samples, such as sewage and sludge
- Upgradeable with variable insert racks for different glass sizes:

12 x 100 ml - 6 x 250 ml - 12 x 250 ml - 4 x 400 ml 4 x 400 ml BS - 4 x 800 ml

STATE-OF-THE-ART CONTROL

- Microprocessor controlled
- Up to 99 programmes can be stored
- Contains pre-defined methods
- Infinitely variable heating power and time periods
- Ergonomically designed operating unit with variable inclination
- Continuous display of running digestion status
- Correction of running programme at any time
- ISO 17025 conform data management regarding:
 - traceability
 - different user levels with defined rights and password protection
 - Recording and recalling of all relevant process data

TECHNICAL DATA

Dimensions W x D x H Weight Nominal power Nominal voltage Tube size

636 x 430 x 740 mm approx. 29 kg 1600 W 230 V, 50/60 Hz 100 ml, 250/300 ml, 400 ml, 800 ml

TURBOTHERM RAPID DIGESTION UNIT



Digestion unit with infrared technology and modern control. The quick alternative to the KJELDATHERM digestion block. Tried and tested C. Gerhardt technology specifically designed for Kjeldahl digestion of a wide variety of samples with nitrogen content in the micro and macro range. Ideal for subsequent Kjeldahl distillation with the VAPODEST distillation units.

Also for use as a multifunctional, programmable hotplate for inorganic acid digestion.

Scope of delivery Complete system, with:

Digestion tubes Insert rack Exhaust manifold Instruction manual

TURBOTHERM TTs					
Туре	TTs100	TTs625	TTs125	TTs440	TTs480
TECHNICAL DATA					
Heating places	12	6	12	4	4
Size of tubes [ml]	100	250 - 300	250 - 300	400	800
Temperature max. [°C]	-	-	#	-	-
Programs	9911	9911	9911	9911	9911
Nominal wattage [W]	2000	2000	2000	2000	2000
Dimensions W / D / H [mm]	636 / 354 / 740	636 / 354 / 740	636 / 354 / 740	636 / 354 / 740	636 / 354 / 740
Weight [kg]	ca. 29				
Nominal voltage [V]	230 / 1152	230 / 11523	230 / 1152)	230 / 11523	230 / 1152
Frequency [Hz]	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
DELIVERS					
Digestion tubes	12 x	6 x	12 x	4 x	4 x
TURBOTHERM basic system	1 x	1 x	1 x	1 x	1 x
Insert rack for tubes	1 x	1 x	1 x	1 x	1 x
Exhaust amnifold with drip tray	1 x	1 x	1 x	1 x	1 x
Isoversinic tubing	1,5 m				
Console	1 x	1 x	1 x	1 x	1 x
ORDER INFORMATION					
Version 230 V	12-0602	12-0604	12-0606	12-0608	12-0610
Version 115 V	12-0603	12-0605	12-0607	12-0609	12-0611

¹⁾ each program is available with 40 different heating steps that have programmable times and heating capacities 2) Version 115 V is equipped with an additional power connection cable for connecting the VACUSOG/TURBOSOG extraction unit.

Product data sheet TURBOTHERM TTS

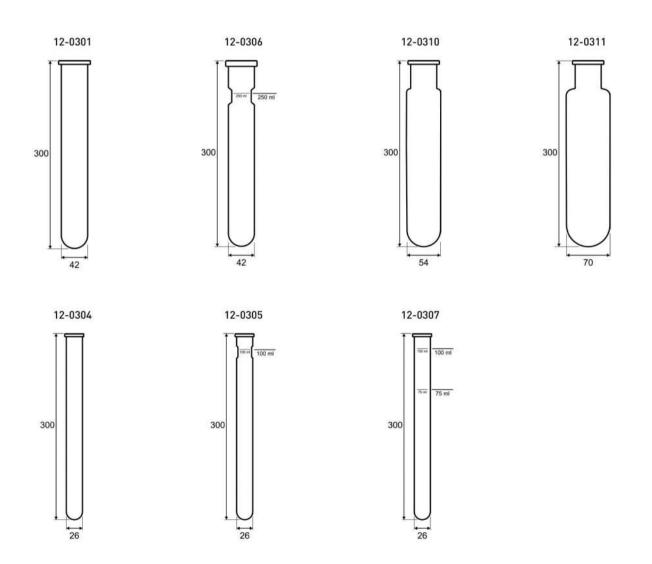
CONSUMABLES AND ACCESSORIES

Make sure to use only original C. Gerhardt spare parts in order to obtain the best possible results. These parts have been tested thoroughly for the operation with KJELDATHERM and TURBOTHERM in the C. Gerhardt application lab.

KJELDAHL-DIGESTION TUBES AND KJELDAHL-FLASKS

All tubes are made of high standard Duran® material.

Order No.	Туре	Description	for type
12-0301	KTG 250	Kjeldatherm digestion tube, 300 ml - 10 pcs	TTs625, TTs125
12-0306	KTG/E 250	Kjeldatherm digestion tube, macro 300 ml, with constriction + calibrated at 250 ml	TTs625, TTs125
12-0310	KDD400	Jumbo digestion tube 400 ml - 4 pcs	TTs440
12-0311	KDD800	Jumbo digestion tube 800 ml - 4 pcs	TTs480
12-0304	KMT	Kjeldatherm digestion tube, micro 100 ml - 10 pcs	TTs100
12-0305	KMT/E	Kjeldatherm digestion tube, micro 100 ml with constriction + calibrated at 100 ml	TTs100
12-0307	KMT	Kjeldatherm digestion tube, micro, 100 ml, calibrated at 100 ml + 75 ml	TTs100



Catalyst tablets



Order No.	Туре	Description
12-0326	Se	KJELCAT-tablets, tin of 1,000 pcs 3.5 g K ₂ SO ₄ + 0.0035 g Se
12-0328	Cu	KJELCAT-tablets, tin of 1,000 pcs 5.0 g K ₂ SO ₄ + 0.5 g CuSO ₄ x 5H ₂ O
12-0329	CuTi	KJELCAT-tablets, tin of 1,000 pcs 5.0 g K ₂ SO ₂ + 0.15 g CuSO ₂ x 5H ₂ O + 0.15 g TiO ₂
12-0336	Cu light	KJELCAT-tablets, tin of 1,000 pcs 5.0 g K,SO, + 0.1 g CuSO, x 5H ₂ O

Antifoam tablets



Order No.	Туре	Description	
12-0332	AS	Antifoam extra tablets, tin with 1,000 pcs	
		0.97 Na ₃ SO ₄ + 0.03 g silicone antifoam	

Weighing paper



Order No.	Туре	Description	
12-0353	WP	Weighing paper, poor in N ₂ , pack of 500	

Insert rack for TURBOTHERM



Order No.	Туре	Description
12-0277	EG12-100	Insert rack for 12 x 100 ml tubes, for TTs100
12-0269	EG625	Insert rack for 6 x 250/300 ml tubes, for TTs625
12-0273	EG125	Insert rack for 12 x 250/300 ml tubes, for TTs125
12-0271	EG440	Insert rack for 4 x 400 ml tubes, for TTs440
12-0272	EG480	Insert rack for 4 x 800 ml tubes, for TTs480

Exhaust manifold for TURBOTHERM-systems



Order No.	Туре	Description
12-0281	AV12-100	Exhaust manifold for 12 x 100 ml tubes, for TT100
12-0278	AV6	Exhaust manifold for 6 x 250/300 ml tubes, for TT625
12-0279	AV4	Exhaust manifold for 4 x $400 / 4$ x 800 ml tubes, for TTs440 and TTs480
12-0280	AV125	Exhaust manifold for 12 x 250/300 ml tubes, for TTs125

Product data sheet TURBOTHERM TTS

VACUSOG Vacuum Scrubber unit



Order No.	Туре	Description
12-0779	VS	VACUSOG gas scrubber for effective extraction of large quantities of inorganic gases. A water connection is not necessary. Suitable for all TURBOTHERM and KJELDATHERM® units. - Nominal voltage: 115 - 230 V, 50/60 Hz - Current consumption: 0,4 - 1 A - Weight: approx. 22 kg - Dimensions (WxDxH): 342 x 463 x 490 mm For more informations see "Product data sheet VACUSOG"

TURBOSOG Scrubber unit



Order No	Туре	Description
12-0057	TUR/K	TURBOSOG scrubber unit. Condenses and neutralizes aggressive acid fumes, suited for all TURBOTHERM systems: - Nominal voltage: 230 V, 50 Hz - Nominal wattage: 205 W - Weight: 19 kg
		- Dimensions: W 330 / D 450 / H 420 mm
		For more informations see "Product data sheet TURBOSOG"

Additional cooling unit for TURBOSOG



Order No.	Туре	Description
12-0361	ZKE	Additional cooling unit for TURBOSOG For efficient separation of condensate in water digestions.

Water jet pump WSP



Order No.	Туре	Description
10-0088	WSP	Water jet pump. Condenses and neutralizes aggressive acid fumes. For occasional use with low sample throughput. Suitable for all digestion units TURBOTHERM and KJELDATHERM®.

Drip tray



Order No.	Туре	Description	
1007314	TWS	Drip tray for TURBOTHERM TTs	

Votre revendeur:

