

TURBOTHERM RAPID DIGESTION UNIT



Digestion unit with infrared technology. 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 TURBOTHERM

- Digestion tubes
- Insert rack
- Exhaust manifold
- Instruction manual

TURBOTHERM automatic

Type	TT100	TT625	TT125	TT440	TT480
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TECHNICAL DATA

Heating places	12	6	12	4	4
Size of tubes [ml]	100	250-300	250-300	400	800
Temperature max. [°C]	ca. 650	ca. 650	ca. 650	ca. 650	ca. 650
Programs	9 ¹⁾	9 ¹⁾	9 ¹⁾	9 ¹⁾	9 ¹⁾
Nominal wattage [W]	1500	1500	1500	1500	1500
Dimensions W / D / H [mm]	525 / 450 / 740	525 / 450 / 740	525 / 450 / 740	525 / 450 / 740	525 / 450 / 740
Weight [kg]	22,5	21	22,5	22,5	21,5
Nominal voltage [V]	230 / 115	230 / 115	230 / 115	230 / 115	230 / 115
Frequency [Hz]	50 - 60 ²⁾	50 - 60 ²⁾	50 - 60 ²⁾	50 - 60 ²⁾	50 - 60 ²⁾

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 manifold with drip tray	1 x	1 x	1 x	1 x	1 x
Isoversinic tubing	1,5 m	1,5 m	1,5 m	1,5 m	1,5 m
Console	1 x	1 x	1 x	1 x	1 x

ORDER INFORMATION

Version 230 V	12-0087	12-0083	12-0086	12-0084	12-0085
Version 115 V	12-0370	12-0366	12-0369	12-0367	12-0368

1) each program is available with 9 different heating steps that have programmable times and heating capacities

2) Version 115 V only 60 Hz

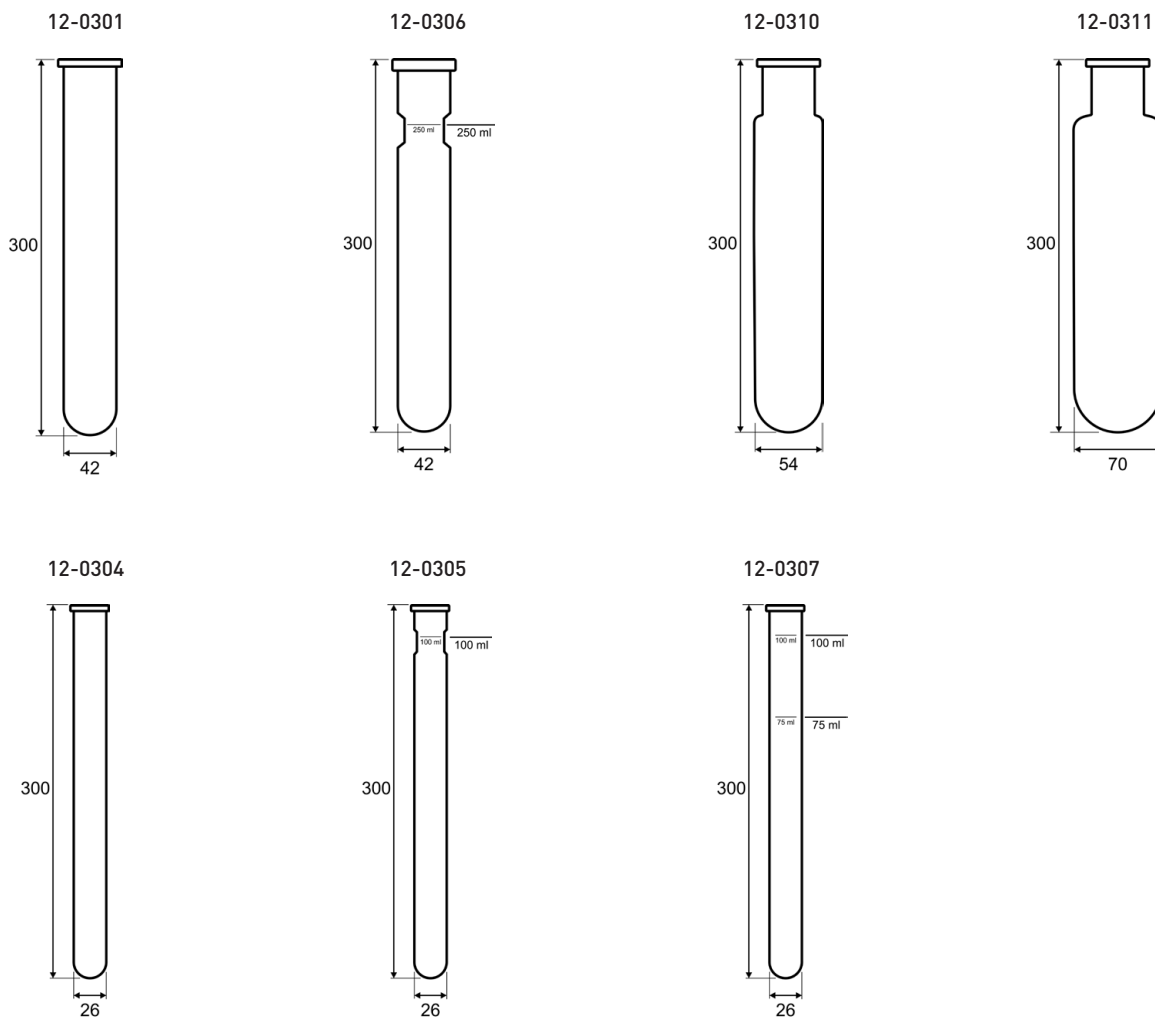
CONSUMABLES AND ACCESSORIES

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.	Type	Description	for Type
12-0301	KTG 250	Kjeldatherm digestion tube, 300 ml - 10 pcs	TT625, TT125
12-0306	KTG/E 250	Kjeldatherm digestion tube, macro 300 ml, with constriction + calibrated at 250 ml	TT625, TT125
12-0310	KDD400	Jumbo digestion tube 400 ml - 4 pcs	TT440
12-0311	KDD800	Jumbo digestion tube 800 ml - 4 pcs	TT480
12-0304	KMT	Kjeldatherm digestion tube, micro 100 ml - 10 pcs	TT100
12-0305	KMT/E	Kjeldatherm digestion tube, micro 100 ml with constriction + calibrated at 100 ml	TT100
12-0307	KMT	Kjeldatherm digestion tube, micro, 100 ml, calibrated at 100 ml + 75 ml	TT100



Catalyst tablets



Order No.	Type	Description
12-0326	Se	KJELCAT-tablets, tin of 1,000 pcs 3.5 g K_2SO_4 + 0.0035 g Se
12-0328	Cu	KJELCAT-tablets, tin of 1,000 pcs 5.0 g K_2SO_4 + 0.5 g $CuSO_4 \times 5H_2O$
12-0329	CuTi	KJELCAT-tablets, tin of 1,000 pcs 5.0 g K_2SO_4 + 0.15 g $CuSO_4 \times 5H_2O$ + 0.15 g TiO_2
12-0336	Cu light	KJELCAT-tablets, tin of 1,000 pcs 5.0 g K_2SO_4 + 0.1 g $CuSO_4 \times 5H_2O$

Antifoam tablets



Order No.	Type	Description
12-0332	AS	Antifoam extra tablets, tin with 1,000 pcs 0.97 Na_2SO_4 + 0.03 g silicone antifoam

Weighing paper



Order No.	Type	Description
12-0353	WP	Weighing paper, poor in N_2 , pack of 500

Insert rack for TURBOTHERM-systems TT



Order No.	Type	Description
12-0277	EG12-100	Insert rack for 12 x 100 ml tubes, for TT100
12-0269	EG625	Insert rack for 6 x 250/300 ml tubes, for TT625
12-0273	EG125	Insert rack for 12 x 250/300 ml tubes, for TT125
12-0271	EG440	Insert rack for 4 x 400 ml tubes, for TT440
12-0272	EG480	Insert rack for 4 x 800 ml tubes, for TT480

Exhaust manifold for TURBOTHERM-systems TT



Order No.	Type	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 TT440 and TT480
12-0280	AV125	Exhaust manifold for 12 x 250/300 ml tubes, for TT125

Drip tray



Order No.	Type	Description
12-0283	TW64	Drip tray for TURBOTHERM

SCRUBBER UNITS



Order No.	Type	Description
12-0057	TUR/K	TURBOSOG scrubber unit. Condenses and neutralizes aggressive acid fumes, suited for all TURBOTHERM systems: - Nominal voltage: 230 V, 50-60 Hz - Nominal wattage: 205 W - Weight: 19 kg - Dimensions: W 330 / D 450 / H 420 mm For more informations see „Product data sheet TURBOSOG“
12-0088	WSP	Water jet pump. Condenses and neutralizes aggressive acid fumes, suitable for all digestion units TURBOTHERM.

Laboratory bottles for TURBOSOG



Order No.	Type	Description
12-0358	EFL	Spare bottle, 2000 ml for Turbosog complete with screw cap GL45 + silicone seal GL45

Glass pipes for TURBOSOG



Order No.	Type	Description
12-0359	KOA	Downpipe for condensate bottle, short
12-0360	WAA	Downpipe for washing bottle, long

GL-Screw caps for laboratory bottles



Order No.	Type	Description
1004320		Screw cap GL14, nat. white
1004321		Screw cap GL18, nat. white
1004322		Screw cap GL32, nat. white
1004323		Screw cap GL45, nat. white
1000358		Silicone seal GL 14 with connection, straight
1000356		Silicone seal GL 18
1000357		Silicone seal GL 32
1000355		Silicone seal GL 45

Tubes



Order No.	Type	Description
1000393	AWS	Cooling water outlet tubing, 22x29 mm, 2 m long
10-0091	ISO	Isoversinic tubing 12x17mm, black

TABLE OF CONFIGURATION

Please arrange the required system

DIGESTION SYSTEM / TYPE

Quantity	Order No.	Type	Description

CONSUMABLES / ACCESSORIES

Quantity	Order No.	Type	Description

SUPPORT AND SERVICE

Quantity	Order No.	Type	Description

Send offer to:

Customer No.	
Company	
Name	
Address	
Tel.	
E-Mail	
Web	

Presented by:

