



FIBRE THERM® - AUTOMATED FIBRE ANALYSIS

FIBRE THERM® offers the fully automated processing of the boiling and filtration steps for the fibre analysis. FIBREBAGS must be ordered separately.

Technical Data FIBRE THERM

Data	FIBRE THERM®
Hotplate	Infrared glass ceramic
Capacity boiling vessel	1,8 l
Cooling water connection	2 x 3/4 Inch thread
Cooling water pressure	0,5 - 10 bar
Cooling water consumption	ca. 5 l/min
Compressed air pressure	4 - 5 bar
Nominal voltage	230 VAC
Frequency	50 - 60 Hz
Nominal wattage	1900 W
Interface	2 x RS 485
Dimensions W / D / H	340 / 640 / 860 mm
Weight	ca. 42 kg

Order Information FIBRE THERM

Order No.	Type	Description
13-0026	FT12	FIBRE THERM® 12-place complete system incl.: - 12 x Glass Spacer - Tubing connection set - Sample carousel, 12-place - Drip tray

FIBREBAG-SYSTEMS - MANUAL FIBRE ANALYSIS

C. Gerhardt offers 3 simple systems, which require the user to do the boiling and filtration steps manually. FIBREBAGS must be ordered separately.

Technical Data / Order information FIBREBAG-SYSTEMS



Order No.	Type	Description
10-0013	FBS6	<p>FIBREBAG-System 6-place</p> <p>Manual system for the simultaneous handling of up to 6 samples, Scope of delivery:</p> <ul style="list-style-type: none"> 1 x Single heater 450 W, 230 VAC 1 x Beaker 1000 ml 1 x Carousel 6-place incl. handle 6 x Glass spacer 1 x Support stand with ring 1 x Condenser made of glass with tubes <p>Dimensions W / D / H [mm]: 250 / 230 / 600</p>
10-0015	FBS36	<p>FIBREBAG-System 36-place</p> <p>Manual system for the simultaneous handling of up to 36 samples, Scope of delivery:</p> <ul style="list-style-type: none"> 1 x Serial heater 6-place 2700 W, 230 VAC, 6 x Beaker 1000 ml 6 x Carousel 6-place incl. handle 36 x Glass spacer 6 x Support stand with ring 6 x Condenser made of glass with tubes <p>Dimensions W / D / H [mm]: 900 / 230 / 600</p>

ACCESSORIES AND CONSUMABLES

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

FibreBags



Order No.	Type	Description
10-0127	FB-ADF	FibreBags ADF, for ADF-/NDF-Determination, 100 pcs
10-0128	FB-ROF	FibreBags RF, for Crude fibre determination, 100 pcs
10-0142	FB-S	FibreBags S, with smaller pore size, especially for very fine grinded samples, 100 pcs

Glass Spacer



Order No.	Type	Description
10-0124	SPF	Glas Spacer for FibreBags, to open and fix the bags Package with 6 pcs

External Dosing Unit



Order No.	Type	Description
1004430	EMD	External dosing unit 230 VAC with housing for the automatic addition of amylase, complete with teflon tubings and mains cable Dimensions W / D / H [mm]: 215 / 280 / 185

Incineration Module



Order No.	Type	Description
13-0092	VAM12T	Incineration module for FibreBags, 12-place, complete with handle and 12 quartz glass crucibles
13-0093	VAM12	Incineration module for FibreBags, 12-place, complete with handle, without quartz glass crucibles

Quartz glass Crucible



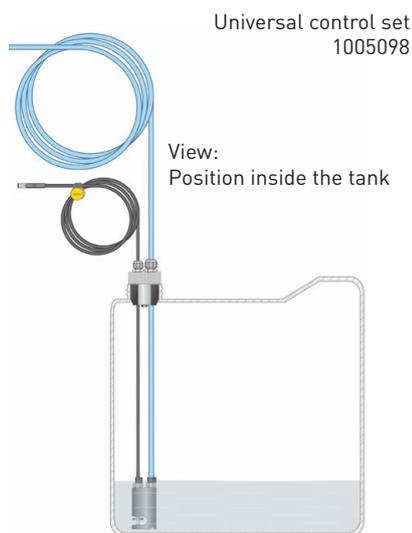
Order No.	Type	Description
13-0048	QTV	Quartz glass crucible incineration, suitable for incineration module 13-0092 and 13-0093

Degreasing module



Order No.	Type	Description
13-0045	EFM6	Degreasing module /ADL-module made of PTFE, for the simultaneous degreasing of up to 6 samples, incl. handle

Universal level control (for storage tanks)



Order no.	Type	Description
1005098	ID8	Universal level control for reagent storage tank, with self-adhesive cable banner. Suitable for tanks with the following dimensions: - Height = min. 130 mm... max. 2000 mm - For filler neck = min. Ø 40 mm... max. Ø 50 mm
1005721	PA8	Universal level control for sample waste tank, with self-adhesive cable banner. Suitable for tanks with the following dimensions: - Height = all tanks - For filler neck = min. Ø 47 mm... max. Ø 50 mm
1009304	NIV20F	Universal control-Set for 2 reagent storage tanks (for the operation without chemical waste disposal), complete with: - 2 x Universal level control for reagent-tank, No. 1005098 - Distributor box
1009308	NIV30	Universal control set for 2 reagent-storage tanks and 1 sample waste tank (for the operation with chemical waste disposal), complete with: - 2 x Universal level control for reagent-tank, No. 1005098 - 1 x Universal level control sample waste tank, No. 1005721 - Distributor box

Compressor



Order No.	Type	Description
13-0010	KOM	Compressor for compressed air supply of the SOXTHERM® units. Prepared for the operation with SOXTHERM®. 230 V, 50 Hz, max. 8 bar., W / D / H mm: 290 / 340 / 340
		Note If connected to the in-plant compressed air supply, no compressor is needed. However, the air must be dried and filtered (5 µ).

FIBREBAG-Fixing Cones



Order No.	Type	Description
10-0140	FSI	Fibrebag-fixing cones made of EPDM, for the safe fixing of the Fibrebags inside the sample carousel. Bag with 12 pcs.

Reference Substance



Order No.	Type	Description
10-0129	RFS1	Reference substance 50 g with Certificate For the measurement of crude protein, crude fat, crude fibre
10-0130	RFS2	Reference substance 30 g with Certificate, For the measurement of crude protein, crude fat, crude fibre, ADF _{OM} , aNDF _{OM}

Antifoam



Order No.	Type	Description
10-0143	ASL	Antifoam solution for fibre analysis crude fibre, ADF and NDF. Content: 100 ml

Recirculating Cooler FL



Order No.	Type	Description
10-0046	FL601	Recirculating cooler 230 V, 600 W, for environmentally friendly cooling of FIBRE THERM®

SUPPORT AND SERVICE

In addition to its high quality instruments, C. Gerhardt offers comprehensive services to maintain the functionality and efficiency of your equipment.

INSTALLATION / EQUIPMENT QUALIFICATION

Selection	Type	Description
[]	ABI-FT	Setup and installation FIBRATHERM®: - connection of the system - easy performance check
[]	MEB-FT	Method creation and guidance FIBREATHERM®: - Guidance and intense instruction of the system - Creation of a first method - applicative advice and support
[]	IQ-FT	Installation Qualification FIBREATHERM® incl. documentation
[]	OQ-FT	Operational Qualification FIBREATHERM® incl. documentation
[]	GQF-FT	Equipment qualification SOXTHERM®, complete service package incl.: - Setup and installation - Creation of a methode and advice - Complete IQ / OQ incl. documentation - FIBREATHERM®-Document folder - Training document - Certificate...

SERVICING AND MAINTENANCE CONCEPTS

For detailed information on servicing and maintenance concepts, please contact your local authorised C. Gerhardt representative.

WORKSHOPS / SEMINARS / APPLICATIONS TRAINING

For detailed information on trainings and workshops, please contact your local authorised C. Gerhardt representative.

TABLE OF CONFIGURATION

Please arrange the required system

FIBRE THERM / FIBREBAG-SYSTEM

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	



C. Gerhardt GmbH & Co. KG
Cäsariusstraße 97 · 53639 Königswinter, GERMANY
Tel.: +49 (0) 2223 2999-0 · www.gerhardt.de

Presented by:

