

FOSS



Chemical Analysis Consumables, Accessories and Spare Parts Catalogue

Dedicated Analytical Solutions

Thank you for choosing FOSS!

We feel sure that this instrument will serve you well for many years, allowing you to enjoy optimum ownership.

This catalogue contains information about consumables, accessories and original spare parts for your equipment for sample preparation and reference methods.

- The content is listed under product groups and categorised according to consumables, accessories and spare parts in order to make it easy for you to find the specific item you are looking for.
- The discontinued instruments are marked by (*) which means that consumables, accessories and spare parts only can be ordered within a period of seven years from last year of production.

■ Original consumables for perfect fit

Our consumables, such as tubes, Kjeltabs, thimbles and crucibles are produced precisely to function as integral parts of our units. When you have a lot at stake in daily operations, it doesn't pay to cut corners. This is why reputable airlines only buy authorised parts from approved suppliers. The same principle should apply with chemical analysis. Cutting costs by using non-original consumables and spare parts is simply asking for trouble.

■ The instrument alone will never improve your analytical performance

As with any piece of complex equipment, it is essential that your FOSS equipment receives regular maintenance. Under the FossCare™ umbrella we offer customised solutions to meet your every need. By helping you plan and maintain your FOSS systems to maximize uptime, we can contribute significantly to the total life-cycle economy of your operation.

Apart from wide selection of support plans we can also provide a complete range of services; from provision of usefull consumables, accesories and genuine spare parts, beneficial trade-in offers and personal training, to a wide range of application notes and our customer magazine "In Focus".

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Sample Preparation



Sample Preparation is a necessary and crucial part of all the chemical analysis. A proper grinding gives a high quality result. Errors caused by analytical instruments are very small compared to the ones associated with sample preparation. Badly prepared samples will automatically result in large analytical errors.

The laboratory sample mill is often an overlooked link in the chain of analysis but we regard it as an integral part of the analytical system. This is why we have developed our own grinding equipment to assure the best analytical results within both traditional wet chemistry and NIR/NIT analysis.



Cemotec™ 1090



Cyclotec™ 1093



Knifetec™ 1095



Homogenizer 2094 and 2096

Mill collection

Cat. No.	
1090	CEMOTEC™ SAMPLE MILL 200-230V, 50-60 Hz and 115V, 50-60 Hz For sample preparation prior to moisture testing and other determinations. ACCESSORIES Sample Bottles
10003923	SAMPLE BOTTLE W/LID 150ML 100/PKG
10003924	SAMPLE BOTTLE W/LID 150ML 500/PKG
10003962	HOPPER WITH COVER
10003965	GRINDING DISCS, 1 pair
	SPARE PARTS
10003922	SEAL FOR SAMPLE BOTTLE
10003937	CYLINDRICAL PIN
1093	CYCLOTEC™ SAMPLE MILL 200-230 V, 50/60 Hz and 115V, 50/60 Hz For rapid Sample Preparation for general laboratory analysis. ACCESSORIES
10001978	CYCLONE BODY
10002485	LARGE INLET ASSEMBLY KIT
10009833	HOLDER FOR 500 ml SAMPLE BOTTLE
	Screens
10000820	SCREEN 0,5 mm
10005864	SCREEN 0,8 mm
10001989	SCREEN 1,0 mm
10002715	SCREEN 2,0 mm
10014484	SCREEN 0,3 mm (use together with 2,0 mm Screen)
	Bottles
10000893	SAMPLE BOTTLES, GLASS 125 ml, 104/pkg
10003679	SAMPLE BOTTLES, GLASS 125 ml, 52/pkg
10001990	SEAL FOR SAMPLE BOTTLE
10013478	SAMPLE BOTTLE 500 ml WITH LID 1 pcs
15220023	LID FOR CYCLOTEC BOTTLE
	Dust Collection
10001993	SEAL FOR DUST FILTER COVER
10002000	DUST FILTER PAD
10002488	DUST COLLECTOR with external connection
10002537	PAPER BAGS FOR DUST COLLECTION, 10/pkg
15470053	KNOB for Dust Filter Cover
	Grinding Chamber
10001987	RETAINER-GRINDING RING/SCREEN
10001992	SEAL FOR GRINDING CHAMBER
10004463	GRINDING RING TUNGSTEN CARBIDE -STANDARD-
10006680	GRINDING STEEL for copper analysis, 3/set
10013810	GRINDING RING for hard sample
	Impellers
10001991	IMPELLER incl screw and washer
10002666	IMPELLER NICKELPLATED
	SPARE PARTS
10001900	BIN FOR SAMPLE INLET
10001967	BIN GATE
10002001	BIN ADAPTER /RUBBER/
10008180	SEAL KIT
10001988	WASHER FOR CYCLONE BODY
15420033	O-RING, FOR CYCLONE BODY



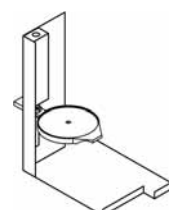
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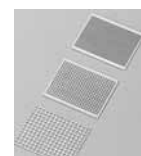
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10009833



Screens



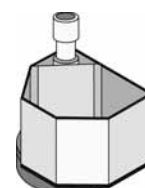
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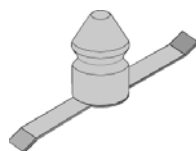
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10001991 and 10002666



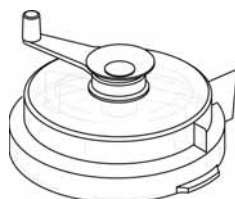
10001900



10005980



19000654



19000655

Cat. No.	SPARE PARTS
15230006	PLUNGER FOR NEW LARGE INLET
15460007	CLAMP, EXTERNAL
1095	KNIFETEC™ SAMPLE MILL 230V, 50-60 Hz and 115V, 50-60 Hz For preparation of high fat, high moisture and fibrous samples.
	ACCESSORIES
10003923	SAMPLE BOTTLE W/LID 150 ml 100/pkg
10003924	SAMPLE BOTTLE W/LID 150 ml 500/pkg
10005980	ROTOR BLADE STANDARD, complete
10008651	ROTOR BLADE SHARP, complete
10013135	ROTOR BLADE FOR SMALL VOLUME
10013136	ROTOR BLADE FOR PELLETS
10008467	STAINLESS STEEL TRAY
10015063	LID FOR PELLETS
	SPARE PARTS
10005960	DISTANCE FOR ROTOR BLADE
15330039	SCREW
15710046	BRUSHES FOR KNIFETEC MOTOR 2/pkg
15820004	PVC TUBING 8/11 mm /m
15820051	TUBE CLAMP 14 mm
	HOMOGENIZERS 2094 AND 2096 For maceration and homogenization of a variety of high fat, high moisture and fibrous samples.
2094	HOMOGENIZER 230 V, 50 Hz 1500 rpm and 115 V, 60 Hz 1500 rpm
	ACCESSORIES
19000634	GRIND STONE FOR BLADES
19000654	CUTTER WITH SMOOTH BLADES
19000659	CUTTER WITH MICRO TEETH BLADES
19000660	STAINLESS STEEL BOWL 3,5 litre
	SPARE PARTS
15420135	SEAL FOR LID
19000618	DRIVING BELT
19000662	TRANSPARENT LID
2096	HOMOGENIZER 400 V, 50 Hz, 3-phase 1500/3000 rpm and 115 V, 60 Hz, 1-phase 1500 rpm
	ACCESSORIES
19000605	STAINLESS STEEL BOWL 5,5 litre
19000634	GRIND STONE FOR BLADES
19000610	CUTTER WITH SMOOTH BLADES
19000657	CUTTER WITH SCALLOPED BLADES
19000658	CUTTER WITH MICRO TEETH BLADES
	SPARE PARTS
15420136	SEAL FOR LID
19000618	DRIVING BELT
19000655	TRANSPARENT LID WITH SCRAPER
19000663	SET OF SEALS FOR SCRAPER

Fibre Analysis



The Fibertec™ range include systems for crude and detergent fibres as well as a system for dietary fibre, all systems following ISO and AOAC standards. Our Fibertec Systems, from manual to semi-automated, simplify the determinations through integral extraction and filtration. No sample transfer during analysis reduces analytical errors and saves time. The FiberCap System is a high capacity solution for crude and detergent fibre determination at low cost.



Fibertec™ E-1023 Filtration module and 1024 Shaking Water Bath



Fibertec™ M6-1020 Hot Extraction Unit and Cold Extraction Unit 1021



Fibertec™ 2010

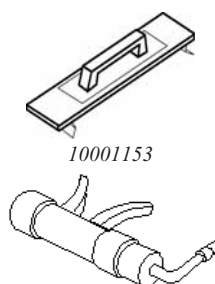


FiberCap™ 2021/2023 and Hot Plate 2022

Fibertec™ Systems



Crucibles



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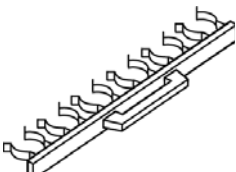
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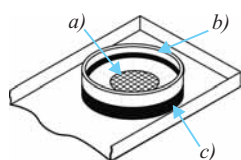
10002081



10000427



10003381



a) 10001157, b) 10003561, c) 10001005



10001079 and 10001080

Cat. No.	CONSUMABLES	1020	1021	1023	2010	1024	2021	2023
Chemicals								
10000561	ANTIFOAMING AGENT (OCTANOL)	X			X			
19000014	CELITE 545 1 LITRE	X		X	X			
10004087	TERMAMYL 300 L, TYPE DX 100 ml	X			X		X	X
10003316	TOTAL DIETARY FIBRE ENZYM KIT 200/TDF DET.			X				
Crucibles and Caps								
10001174	CRUCIBLE P0 (160-250 µm) 6/set	X		X	X			
10001171	CRUCIBLE P1 (100-160 µm) 6/set	X		X	X			
10001172	CRUCIBLE P2 STANDARD (40-100 µm) 6/set	X		X	X			
10004357	CRUCIBLE P2 US (40-60 µm) 6/set	X		X	X			
10001173	CRUCIBLE P3 (16-40 µm) 6/set	X		X	X			
10009410	HEATING UP CRUCIBLES 6/set				X			
10010347	FIBERCAPS 100/set						X	X
10010346	FIBERCAPS 500/set						X	X
ACCESSORIES								
15240010	HOT PLATE 2022 (230 V, 50 Hz)	X					X	X
15240011	HOT PLATE 2022 (115 V, 60 Hz)	X					X	X
10001153	REFLECTOR	X			X			
15220014	BEAKER	X						
10010137	EXTRACTION BEAKER 6 pos						X	
10010546	EXTRACTION BEAKER 18 pos							X
15220049	DEFATTING BEAKER 6 pos						X	
10011595	DEFATTING BEAKER 18 pos							X
10010516	CONDENSER 6 pos						X	
10011721	CONDENSER 18 pos							X
10001244	FUNNEL	X						
10001299	WATER SPRAY DEVICE	X						
10003387	REFLECTOR							
15220006	SPRAY BOTTLE RED 500 ml		X	X				
15220007	SPRAY BOTTLE WHITE 500 ml			X				
10002081	INCUBATION FLASKS COMPLETE 6/set			X				
10002075	FLASK LID including seal			X				
10000427	BASKET FOR 12 RECEIVER FLASKS 250/300 ml			X				
10001222	CRUCIBLE FUNNEL	X						
10003381	CRUCIBLE HOLDER			X				
10001157	FILTER MESH	X			X			
10006630	GLASS THIMBLE/CRUCIBLE ADAPTER 6/set	X			X			
10001080	HOLDER FOR 6 CRUCIBLES/THIMBLE SUPPORTS	X			X			
10001079	STAND FOR 6 CRUCIBLES	X		X	X			
10002204	TRAY FOR ERLLENMEYER FLASKS, 100 ml					X		
10002205	TRAY FOR ERLLENMEYER FLASKS, 250 ml					X		
10002206	TRAY FOR ERLLENMEYER FLASKS, 500 ml					X		
10010332	BOILING STAND						X	X
10010262	STOPPER 6 pos						X	
10002170	TRAY HOLDING 12 X 600 ML FLASKS					X		

Cat. No.	ACCESSORIES	1020	1021	1023	2010	1024	2021	2023
10010335	STOPPER 18 pos							X
10010224	CAPSULE TRAY 6 pos						X	
10010334	CAPSULE TRAY 18 pos							X
10010331	DRYING STAND						X	X
	Seals							
10001005	CRUCIBLE COMPRESSION RING	X			X			
10001006	LOWER SEALING RING for Hot Extraction Unit	X			X			
10003561	LOWER SEALING RING for Hot Extraction Unit 6/set	X			X			
10003668	CRUCIBLE SEAL 6/set			X				
10003562	CRUCIBLE SEAL 6/set		X					
10002077	FLASK LID SEAL			X				
	SPARE PARTS							
10001225	BOILING COLUMN WITH WATER CONDENSER	X						
10001218	TOP BUSHING OF BOILING COLUMN	X			X			
10009525	BOILING COLUMN WITH WATER CONDENSER, inner pos.				X			
10008525	BOILING COLUMN WITH WATER CONDENSER, outer pos.				X			
15820004	PVC TUBING 8/11 mm/	X						
15820005	PVC TUBING 4/6 mm	X		X				
15820023	NEOPRENE TUBING 6/12 mm	X		X				
15820027	NEOPRENE TUBING 2/4 mm	X		X				
15820204	EPDM TUBING 6/12 mm				X			
15820194	SILICON TUBING 7/10 mm						X	X
15290021	WATER ASPIRATOR PUMP	X		X	X			



10010262, 10010332, 10010224



10003668



10003562

Digestion



Digestion systems are used when wet ashing or digestion is required as a sample preparation technique. Most common is the sulphuric acid digestion when determining nitrogen / protein according to the Kjeldahl method. For this digestion an Exhaust for efficient fume removal always should be used, preferably in combination with a Scrubber. For other digestion methods e.g. COD where the volume should be kept constant a Reflux Head connected to a cold water supply should be used instead of the Exhaust Manifold.

The Tecator™ Digestion Systems Auto versions will fully control a connected Lift and Scrubber according the selected application program.

To make the best use of your Digester please carefully select the desired accessory / spare part from the tables in either section

- Tecator Digestion Systems, page 12 or the
- 2000 series, page 15.



Tecator™ Digestion Systems



Lift System



Scrubber

Kjeltabs

Cat. No.	Kjeltabs (Most types are delivered in boxes of 1 000)	* See below
15270001	Selenium, tablets with 1,5 g K_2SO_4 + 7,5 mg Se	X
15270002	Selenium, tablets with 5 g K_2SO_4 + 5 mg Se	
15270003	Selenium, tablets with 3,5 g K_2SO_4 + 3,5 mg Se	
15270056	Selenium, tablets with 1 g Na_2SO_4 + 0,05 g Se	X
15270010	Copper/Titanium, tablets with 5 g K_2SO_4 + 0,15 g $CuSO_4 \cdot 5H_2O$ + 0,15 g TiO_2	
15270020	Copper/Titanium, tablets with 3,5 g K_2SO_4 + 0,105 g $CuSO_4 \cdot 5H_2O$ + 0,105 g TiO_2	
15270018	Copper, tablets with 3,5 g K_2SO_4 + 0,4g $CuSO_4 \cdot 5H_2O$	
15270034	Copper, tablets with 1,5 g K_2SO_4 + 0,15 g $CuSO_4 \cdot 5H_2O$	X
15270057	Copper, tablets with 4,5 g K_2SO_4 + 0,5 g $CuSO_4 \cdot 5H_2O$	

* These Kjeltabs are due to their small size suitable also for 100 ml test tubes



Kjeltabs

Tecator™ Digestion Systems



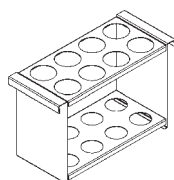
25080020-21, 25200020-21



25080030



10000254



10015074



10014311, 10014278



10014313, 10014315

		2508 Auto	2508 Basic	2520 Auto	2520 Basic	2508 Auto	2508 Basic	2520 Auto	2520 Basic	Scrubber
Cat. No.	ACCESSORIES	250 ml tubes				100 ml tubes				
10014242	BLUETOOTH - AUTO DIGESTOR CABLE	X		X		X		X		
	FUME REMOVAL SYSTEM									
25080020	EXHAUST FOR DIGESTOR 2508 / 250 ml	X	X							
25080021	EXHAUST FOR DIGESTOR 2508 / 100 ml					X	X			
25200020	EXHAUST FOR DIGESTOR 2520 / 250 ml			X	X					
25200021	EXHAUST FOR DIGESTOR 2520 / 100 ml							X	X	
25010001	SCRUBBER 110/230 V 50-60 Hz	X	X	X	X	X	X	X	X	
25080022	INDIVIDUAL CAP EXHAUST 8 PLACES / 250ml	X	X							
	LIFT SYSTEM									
25150001	LIFT	X		X		X		X		
25150011	RACKING SYSTEM	X	X	X	X	X	X	X	X	
	REFLUX CONDENSERS									
25080030	REFLUX HEAD COD, DIGESTOR 2508 / 250 ml	X	X							
25200030	REFLUX HEAD COD, DIGESTOR 2520 / 250 ml			X	X					
10000254	REFLUX CONDENSER, AIR COOLED 700 mm. With ground joint for 250 ml tubes	X	X	X	X					
	HANDLING SYSTEMS									
10014245	TUBE RACK FOR 8 DIGESTION TUBES 250 ml	X	X							
10014248	TUBE RACK FOR 8 DIGESTION TUBES 100 ml					X	X			
10014240	TUBE RACK FOR 20 DIGESTION TUBES 250 ml			X	X					
10014246	TUBE RACK FOR 20 DIGESTION TUBES 100 ml							X	X	
10015074	TEST TUBE RACK (for 25080022 Individual Cap Exhaust system)	X	X							
10014241	RETAINER PLATE FOR WASHING; DIG. 2520 / 250 ml			X	X					
10014247	RETAINER PLATE FOR WASHING; DIG. 2520 / 100 ml							X	X	
10000460	BOILING ROD To avoid bumping when digesting large volumes of water	X	X	X	X	X	X	X	X	
10000897	HANDLING DEVICE FOR DIGESTION TUBE	X	X	X	X	X	X	X	X	
10007117	DISPENSER 2-10 ml, 1000 ml BOTTLE	X	X	X	X	X	X	X	X	
10007118	DISPENSER 10-30 ml, 2000 ml BOTTLE	X	X	X	X	X	X	X	X	
	TEST TUBES Straight model Test Tubes, often used for Kjeldahl determination									
10014311	DIGESTION TUBES STRAIGHT 100 ml 8/pkg					X	X	X	X	
10014312	DIGESTION TUBES STRAIGHT 100 ml 20/pkg					X	X	X	X	
10014278	DIGESTION TUBES STRAIGHT 250 ml 8/pkg	X	X	X	X					
10000158	DIGESTION TUBES STRAIGHT 250 ml 20/pkg	X	X	X	X					
	With constriction and volume mark, used in applications where the digest is diluted to volume and an aliquot is taken for tests									
10014313	DIGESTION TUBES WITH MARK 100 ml 8/pkg					X	X	X	X	
10014314	DIGESTION TUBES WITH MARK 100 ml 20/pkg					X	X	X	X	
10014315	DIG TUBES WITH MARK 250 ml 8/pkg	X	X	X	X					
10000157	DIGESTION TUBES WITH MARK 250 ml 20/pkg	X	X	X	X					

Cat. No.	ACCESSORIES	2508 Auto	2508 Basic	2520 Auto	2520 Basic	2508 Auto	2508 Basic	2520 Auto	2520 Basic	Scrubber
		250 ml tubes				100 ml tubes				
	With ground joint for air-cooled Reflux Condensers									
10014316	DIGESTION TUBES -GROUND JOINT 250 ml 8/pkg	X	X	X	X					
10000159	DIGESTION TUBES -GROUND JOINT 250 ml 20/pkg	X	X	X	X					
	With ball joint for water-cooled Reflux Condensers									
10014317	DIGESTION TUBES -BALL JOINT 250 ml 8/pkg	X	X	X	X					
10000611	DIGESTION TUBES -BALL JOINT 250 ml 20/pkg	X	X	X	X					
	SPARE PARTS									
10014243	PC-DIGESTOR CABLE	X		X		X		X		
10014244	FUSE 12A	X	X	X	X	X	X	X	X	
10013998	FOOT ASSY	X	X	X	X	X	X	X	X	
	SCRUBBER									X
10014106	SERVICE KIT SCRUBBER PUMP									X
15810098	TUBING CONNECTOR (to exhaust)									X
10013996	SCRUBBER FLASK									X
10013993	DIFFUSOR ASSY									X
10013950	STOPPER (with o-ring, for scrubber flask lid)									X
10013994	FLASK SEALING KIT									X
15420088	FLASK SEAL									X
10013504	SEAL FOR CONDENSOR FLASK									X
15420159	V-RING FOR SCRUBBER FLASK									X
10013989	LID, CONDENSOR FLASK									X
10014005	CONDENSOR FLASK									X
10013999	TUBING CONNECTOR (for scrubber flask)									X
10014000	TUBING CONNECTOR (for condensor flask)									X
10014004	SILENCER									X
10014002	VITON TUBING 8x12 (2.7m)									X
10014297	PVC TUBING 8x11 (for silencer - 1.5m)									X
	FUME REMOVAL SYSTEM									
10014201**	EXHAUST COLLECTOR TD 20, 250ML			X	X					
10014207**	EXHAUST COLLECTOR TD 20, 100ML							X	X	
10014200**	EXHAUST RECEIVER TD 20			X	X			X	X	
10014204**	VITON SLEEVE			X	X			X	X	
10014205	HANDLE			X	X			X	X	
10014206**	EXHAUST COLLECTOR TD 8, 250ML	X	X							
10014208**	EXHAUST COLLECTOR TD 8, 100ML					X	X			
10014209	HANDLE	X	X			X	X			
10014202**	SEALING RING	X	X	X	X	X	X	X	X	
10014203	CLIP	X	X			X	X			
15290021	WATER ASPIRATOR	X	X			X	X			
10000404	WATER ASPIRATOR			X	X			X	X	
10015068**	MANIFOLD	X	X							
10000030**	EXHAUST CAP	X	X							
15820001**	TUBING VITON 8x11 /per m	X	X							

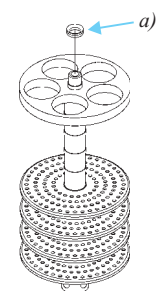
**see illustrations on page 14



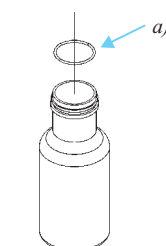
10014316, 10000159



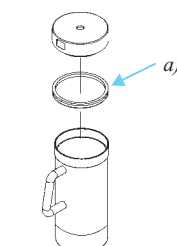
10014317, 10010611



a) 15420088

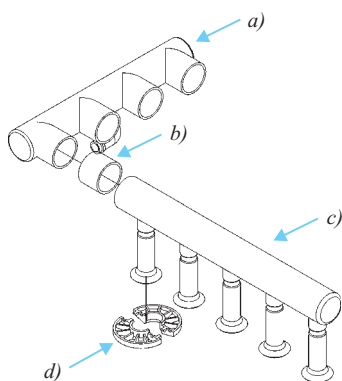


a) 10013504

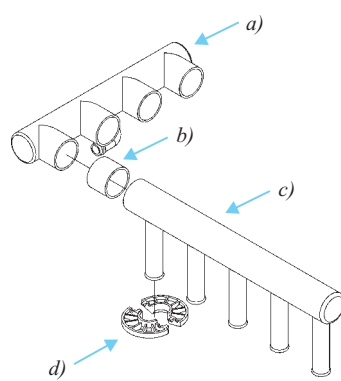


a) 15420159

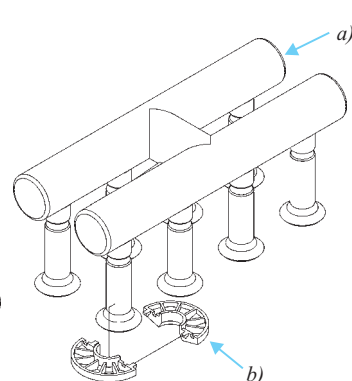
		2508 Auto	2508 Basic	2520 Auto	2520 Basic	2508 Auto	2508 Basic	2520 Auto	2520 Basic	Scrubber
	REFLUX CONDENSERS									
10000613	CONDENSER WATER-COOLED for 250 ml tubes	X	X	X	X					
10000624	CONDENSER WATER-COOLED FOR 100 ml tubes					X	X	X	X	
15420055	O-RING FOR REFLUX HEADS 2508/2520-30	X	X	X	X					



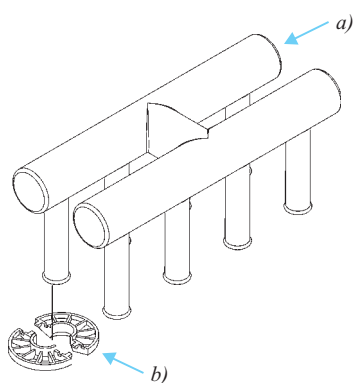
a) 10014200, b) 10014204,
c) 10014201 and d) 10014202



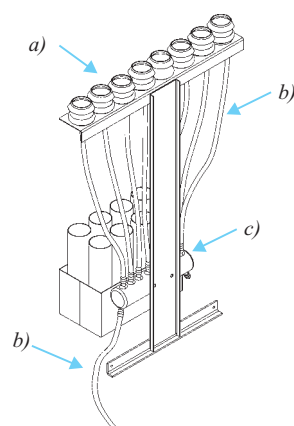
a) 10014200, b) 10014204,
c) 10014207 and d) 10014202



a) 10014206 and b) 10014202



a) 10014208 and b) 10014202



a) 10000030, b) 15820001 and c)
10015068

Digestion Systems 2000 series

Cat. No.	CONSUMABLES	2006*	2012*	2020*	2040*	2015*	2001*	1013*
Test Tubes - used for Kjeldahl determination								
10000155	DIG TUBES STRAIGHT 250 ml 6/pkg	X		X				
10000158	DIG TUBES STRAIGHT 250 ml 20/pkg	X		X				
10000825	DIG TUBES STRAIGHT 100 ml 12/pkg		X		X			
10000735	DIG TUBES STRAIGHT 100 ml 40/pkg		X		X			
	With constriction and volume mark, used in applications where the digest is diluted to volume and an aliquot is taken for tests							
10000154	DIG TUBES with MARK 250 ml 6/pkg	X		X				
10000157	DIG TUBES with MARK 250 ml 20/pkg	X		X				
10000826	DIG TUBES with MARK 100 ml 12/pkg		X		X			
10000737	DIG TUBES with MARK 100 ml 40/pkg		X		X			
10005563	EXTENSION CABLE Controller/Lift L=2m					X		
10005564	EXTENSION CABLE Controller/Digester L=2m	X	X	X	X	X		
Fume Removal Systems cpl with Water Aspirator								
2006-020	EXHAUST FOR 2006 DIGESTOR DS6	X						
2006-021	EXHAUST DS6 IND. TUBE HANDLING Same as 2006-020 but designed for easy handling of each individual tube, complemented with a special Tube Rack	X						
2012-020	EXHAUST FOR 2012 DIGESTOR DS12		X					
2020-020	EXHAUST FOR 2020 DIGESTOR DS20			X				
2040-020	EXHAUST FOR 2040 DIGESTOR DS40				X			
Condenser with fitted tubes Air-cooled / ground joint								
10000254	REFLUX CONDENSER, 700 mm for 250 ml tube	X		X				
10000156	DIGESTION TUBES 250 ml, 6/pkg	X		X				
10000159	DIGESTION TUBES 250 ml, 20/pkg	X		X				
Water-cooled / ball joints								
2006-030	REFLUX HEAD DS6, for 6 x 250 ml tubes	X						
2012-030	REFLUX HEAD DS12, for 12 x 100 ml tubes		X					
2020-030	REFLUX HEAD DS20, for 20 x 250 ml tubes			X				
10000613	CONDENSER FOR 250 ml TUBE	X		X				
10000624	CONDENSER, FOR 100 ml TUBE		X		X			
15420055	O-RING FOR REFLUX HEADS 2006/2020-030	X		X				
10000610	DIGESTION TUBES 250 ml 6/pkg	X		X				
10000611	DIGESTION TUBES 250 ml 20/pkg	X		X				
10000627	DIGESTION TUBES 100 ml 12/pkg		X		X			
10005523	DIGESTION TUBES 100 ml 40/pkg		X		X			
Handling Systems Digestion Systems standard accessories								
10000831	RACK FOR 6 DIGESTION TUBES 250 ml	X						
10000537	RACK FOR 12 DIGESTION TUBES 100 ml		X					
10004237	RACK FOR 20 DIGESTION TUBES 250 ml			X				
10000072	RACK FOR 40 DIGESTION TUBES 100 ml				X			
10000536	HEAT SHIELD FOR TUBE RACK DS6 /DS12	X	X					
10000188	HEAT SHIELD FOR TUBE RACK DS20/40			X	X			
10000538	RETAINER PLATE FOR WASHING/DS12		X					

*Discontinued, see page 31



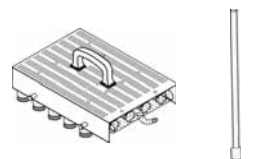
10000154, 10000826



2006-020



2006-021



2020-020

10000254



10000155, 10000825



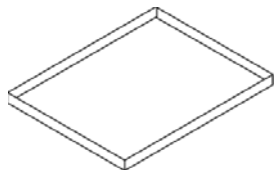
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10000610



10004424



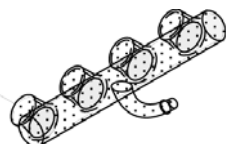
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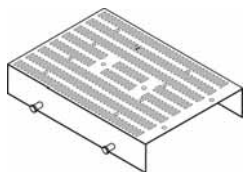
10000030



10000821



10000261



10000417



10000822



10000589

Cat. No.	CONSUMABLES Handling Systems Digestion Systems standard accessories	2006*	2012*	2020*	2040*	2015*	2001*	1013*
10004424	RETAINER PLATE FOR WASHING/DS20			X				
10000095	RETAINER PLATE FOR WASHING/DS40				X			
10000012	RACK FOR 6 DIG TUBES 250 ml Recommended for "express" samples when a 2006-Digestor is used. (Included in 2006-021).	X						
10000817	STAND FOR COOLING TUBES DS6/DS12 When racks with 6 or 12 tubes are used.		X					
10000424	STAND FOR COOLING TUBES DS20/40 When racks with 20 or 40 tubes are used.		X	X				
10000460	BOILING ROD To avoid bumping when digesting large volumes of water	X	X	X	X			
10007117	DISPENSER 1 -10 ml (1000 ml BOTTLE)	X	X	X	X			
10007118	DISPENSER 5 - 30 ml (2000 ml BOTTLE)	X	X	X	X			
SPARE PARTS								
Fume Removal Systems								
10000788	DRIP PAN	X	X					
10000415	DRIP PAN			X	X			
10000030	EXHAUST CAP with teflon seal for ind. tube handling system	X						
10000798	EXHAUST COLLECTOR WITH 4 CAPS		X					
10000821	EXHAUST COLLECTOR-5 CAPS WITH TEFLON SEAL			X				
10000791	EXHAUST COLLECTOR WITH 6 CAPS	X						
10000692	EXHAUST COLLECTOR WITH 8 CAPS				X			
10000029	EXHAUST RECEIVER for individual tube handling system	X						
10000799	EXHAUST RECEIVER FOR DS12		X					
10000261	EXHAUST RECEIVER FOR DS20			X				
10000693	EXHAUST RECEIVER FOR DS40				X			
10000727	EXHAUST COVER FOR DS40, stainless steel				X			
10000417	HOUSING FOR EXHAUST MANIFOLD/EXHAUST COVER DS 20/DS 40			X	X			
10000822	TEFLON SEAL	X		X				
10000589	VITON SLEEVE			X				
10000728	VITON SLEEVE		X		X			
15820017	TUBING VITON 12/16 mm			X	X			
15820001	TUBING VITON 8/11 mm	X	X					
10000978	ACID TRAP /FLASK							X
10000990	SEAL FOR ACID TRAP							X
10000516	VENTILATION TUBING outlet							X
10000988	VAPOUR FILTER							X
15820039	TUBING 3/4" Pump to Water Aspirator							X
10000992	SEAL TANK/COVER							X
10000887	SEAL TANK/DRAIN VALVE or TANK/THERMOMETER							X
10000987	EXHAUST TUBING							X
15420024	O-RING VITON 44,2 x 3 mm							X
15420028	O-RING NITRIL 67,95 x 2,62 mm							X
15420029	O-RING VITON 24,2 x 3 mm							X
15420030	O-RING NITRIL 89,5 x 3 mm							X
15460007	CLAMP, external							X
10006401	FLASK						X	
10006390	LID complete						X	

*Discontinued, see page 31

Cat. No.	SPARE PARTS Fume Removal Systems	2006*	2012*	2020*	2040*	2015*	2001*	1013*
10006757	O-RINGS, 1 set						X	
15640049	FUSE 5x20 mm T 1,6 A SLOW					X	X	
15640097	FUSE 5x20 mm T 2,5 A SLOW						X	
15640073	FUSE 5x20 mm T 3,15 A SLOW						X	
15770190	SERVICE KIT SCRUBBER PUMP						X	
15290021	WATER ASPIRATOR	X	X					
10000404	WATER ASPIRATOR			X	X			

*Discontinued, see page 31

Kjeltec™ Systems



Most Kjeltec™ instruments are used in the Kjeldahl method which remains the most versatile way to determine nitrogen / protein. The Kjeltec Range provides a solution for every need, from manual distillation units to fully automatic analysers including auto sampler. All instruments perform officially approved methods (AOAC/EPA/ AACC etc) and the automatic instruments use colorimetric titration. Equipped with several built-in safety features, including the patented SAfE mode, and a fast and reliable tube-emptying system, these instruments ensure reliable results, time after time.

The manual Kjeltec units also can be used for other purposes e.g. sample preparation prior to alcohol or SO₂ determination



Kjeltec™ 2100



Kjeltec™ 2200



Kjeltec™ 2300



Kjeltec™ 2400



Kjeltec™ 2400/2460

Kjeltec™ Systems

Cat. No.	ACCESSORIES	2100	2200	2300	2400	2460
2036-001	WEIGHING TERMINAL with 3m cable				X	
10004317	BALANCE CONNECTION CABLE, A&DGR series 2400				X	
15610666	BALANCE CONNECTION CABLE, Mettler PB/AB series 2400				X	
10011981	BALANCE CONNECTION CABLE, Sartorius BP/H series				X	
10009761	EXTENSION CABLE (10m), Weighing terminal				X	
10009762	EXTENSION CABLE (25m), Weighing terminal				X	
10007913	PRINTER COMPLETE WITH CABLE 230 V, 50 Hz			X	X	
10007914	PRINTER COMPLETE WITH CABLE 115 V, 60 Hz			X	X	
10011403	TITRATOR CONNECTION KIT		X			
1002-022	DIGITAL TITRATION UNIT, 50 ml Battery powered	X	X			
15220036	MEDIUM POROSITY FRITTED OUTLET		X			
10000897	HANDLING DEVICE for digestion tubes	X	X	X	X	
10003834	SEPERATE FEED WATER SYSTEM 230 V, 50 Hz	X				
10003880	SEPERATE FEED WATER SYSTEM 230 V, 60 Hz	X				
10000056	ADAPTER FOR DIG TUBES 250 ml	X	X	X	X	
10000487	ADAPTER FOR DIG TUBES 100 ml	X	X	X	X	
10004083	ADAPTER FOR TUBES (when sampler)				X	
10008280	ADAPTER				X	
10008703	TUBE GUIDE					X
10008704	TUBE GUIDE EXTENSION					X
10009021	TUBE GUIDE, tower					X
10009156	TUBE GUIDE, bottom plate					X
10009040	HOLDER FOR TUBE GUIDE TOWER					X
10002049	RACK FOR 12 DD TUBES -750 ml	X	X	X	X	
10000164	RECEIVER FLASKS 250 ml 10/pkg	X	X			
10000427	BASKET for 12 receiver flasks 250 / 300 ml	X	X	X		
10000036	REAGENT/WASTE TANKS with level sensors, 20 l tanks 4/pkg		X	X	X	
10000037	REAGENT/WASTE TANKS without level sensors, 10 l tanks 4/pkg		X	X	X	
10000032	WATER/ALKALI/RECEIVER SOL. TANK with level sensor		X	X	X	
10000065	WATER or ALKALI or RECEIVER TANK 10 l, without level sensor 1/pkg	X	X	X	X	
10000033	WASTE TANK with level sensor		X	X	X	
10000034	WASTE TANK without sensors 3/pkg		X			
10004017	WASTE TANK without level sensor 10 l		X	X		
10000017	CABLE FROM UNIT TO TANK		X	X	X	
10000019	CABLE BETWEEN TANKS		X	X	X	
10011512	TOP LOADED LEVEL SENSOR FOR WASTE TANK	X	X	X	X	
10011513	TOP LOADED LEVEL SENSOR FOR REAGENT TANK	X	X	X	X	
10000299	CONDENSER WITH INSULATION complete	X	X	X	X	
10000020	TERMINATOR		X	X	X	
10000077	TITRANT STORAGE FLASK with level sensor			X	X	
15860110	COUPLING			X	X	



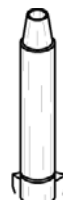
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10000487



10008703



10008704



10009021



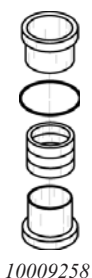
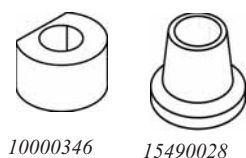
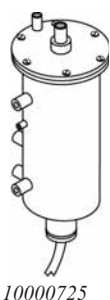
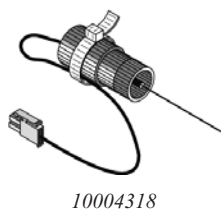
10009156



10009040



10000299



Cat. No.	SPARE PARTS	2100	2200	2300	2400	2460
Safety Sensors						
10004318	TUBE IN PLACE SENSOR when sampler				X	
15630211	TUBE DOWN SENSOR, Ultrasonic					X
Burette Systems						
10007654	BURETTE complete glass type			X		
10003749	SILICONE GREASE			X	X	
Titration Cell Systems						
15640129	FLUORESCENT LAMP			X	X	
Tubings /m						
15820204	TUBING EPDM 6/12 mm	X	X	X	X	
15820076	TUBING POLYETEN 6/4 mm			X	X	
15820005	TUBING PVC 4/6 mm			X	X	
15820004	TUBING PVC 8/11 mm	X	X	X	X	
15820011	TUBING REINFORCED FOR ALKALI	X	X	X	X	
15820006	TUBING SILICONE 8/12 mm	X	X	X	X	
15820162	TUBING VITON 8/12 mm		X	X	X	
15820194	TUBING SILICONE, 7/10 mm		X	X	X	
15820196	TUBING VITON 8/10 mm		X	X	X	
15690197	TUBING SPIRAL	X	X	X	X	
Clips						
15820049	CLIP 10 mm	X	X	X	X	
15820050	CLIP 12 mm	X	X	X	X	
15820051	CLIP 15 mm	X	X	X	X	
15820052	CLIP 17 mm	X	X	X	X	
Fuses						
15640042	FUSE 5X20 mm T 0,63 A SLOW					X
55640003	FUSE 5X20 mm T 1 A SLOW		X	X	X	
15640006	FUSE 5X20 mm T 10 A SLOW	X	X	X	X	
Various Components						
10000725	SPLASH HEAD complete	X				
10013355	SPLASH HEAD complete		X	X	X	
10000346	SPLASH SHIELD		X	X	X	
10004515	INLET TUBE FOR RECEIVER SOLUTION			X	X	
1001777	RUBBER CONNECTION-TITRATION VESSEL OUTLET			X	X	
15490028	RUBBER GROMMET -SEAL	X	X	X	X	
15250037	SCREW CONNECTION				X	
10008939	POSITIONING MODULE, excl. tube rack support					X
10015107	SAFETY DOOR complete		X	X	X	
10008938	SAMPLER DOOR complete					X
10000569	PLATFORM FOR TUBES		X	X	X	
10009258	PACK BOX/WIPER					X

Extraction Analysis



Soxtec™ extractors range in capacity from a small Soxtec 2045 to a fully automated Soxtec 2050, all systems following AOAC and EPA approved methods. The Soxtec system is a fully automated Soxhlet analyzer – the fastest on the market, using less solvent and water. Soxtec guarantees a safe working environment where the analysis takes place in a closed, secure system. Combined with the SoxCap™ 2047, total fat analysis without any manual sample handling is possible according to official regulations.



Soxtec™ 2050



Soxtec™ 2055



Soxtec™ 2043 and Control Unit 2046



Soxtec™ 2045 and Control Unit 2046



SoxCap™ 2047

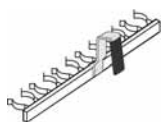
Soxtec™ Systems



10003217



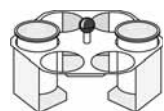
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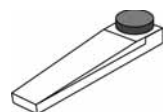
10007523



10007848



10007859



10001467



10003275



10001431

Cat. No.	CONSUMABLES	2050/ 2055	2043	2045	1047*	2047/ 2047 ^{mini}
10000155	TUBES 250 ML 6/set				X	
19000014	CELITE 545, 1 litre	X	X	X	X	
10012985	HYDROMATRIX, CELITE 566, 1 kg					X
15220030	CELLULOSE THIMBLES 33 mm 25/set, double thickness	X		X		
15220045	CELLULOSE THIMBLES 33 mm 25/set, single thickness	X		X		
15220018	CELLULOSE THIMBLES 26 mm 25/set, double thickness	X	X	X		
15220053	CELLULOSE THIMBLES 28 mm 25/set, short					X
10003217	GLASS THIMBLES 6/set P3	X	X	X	X	
10007376	GLASS THIMBLES 6/set P4 (for special appl.)	X	X	X	X	
10012381	SOXCAP FILTERS 100/set					X
10012378	GLASS CAPSULE 6/set					X
60022802	GLASS CAPSULE mini 6/set					X
	ACCESSORIES					
10000012	TUBE STAND				X	
10007475	CUP TOOL	X				
10007523	THIMBLE SUPPORT HOLDER	X				
10001080	THIMBLE SUPPORT HOLDER		X			
10001464	THIMBLE SUPPORT 7/set, 26 mm	X	X			
10007848	THIMBLE SUPPORT 7/set	X				
10007858	CUP STAND SQUARE 2x3 cpl	X				
10007859	CUP STAND ROUND FOR DESICCATOR	X				
10001299	WATER SPRAY DEVICE				X	
10001467	THIMBLE HANDLER	X	X			
10003275	CLEANING ROD				X	
15220006	SPRAY BOTTLE RED 500 ml				X	
15220014	BEAKER				X	
15290009	COTTON (DEFATTED)	X	X	X	X	X
10007853	MAGNETS PTFE 6/set	X				
10012227	BOILING STAND					X
10012229	DRYING STAND					X
10012230	CAPSULE TRAY					X
10012233	HYDROLYSIS BEAKER					X
10011595	BEAKER, low					X
15210072	DISPENSOR FORTUNA OPTIFIX	X				
	Extraction Cups and Holders					
10001462	EXTRACTION CUP ALUMINIUM 6 /set		X			
10001820	EXTRACTION CUP, GLASS 6 /set		X			
10001431	CUP HOLDER		X			
10002290	EXTRACTION CUP, ALUMINIUM 2 /set			X		
10002291	EXTRACTION CUP, GLASS, 2 /set			X		
10006825	EXTRACTION CUP, GLASS, 2/set special for Resel Seal			X		
10006826	EXTRACTION CUP, GLASS, 1/set special for Resel Seal			X		
10007510	EXTRACTION CUPS, ALUMINIUM 6/set	X				

*Discontinued, see page 31

Cat. No.	Extraction Cups and Holders	2050/ 2055	2043	2045	1047*	2047/ 2047 ^{int}
10007522	CUP HOLDER, ALUMINIUM CUPS	X				
10007673	EXTRACTION CUPS , GLASS 6/set	X				
10007675	CUP HOLDER, GLASS CUPS	X				
10002294	HANDLING DEVICE FOR EXTRACTION CUPS			X		
15290007	TONGS FOR EXTRACTION CUPS	X	X			
	Thimble Adapters					
10007524	THIMBLE ADAPTER 33 mm, 6/set	X				
10002462	THIMBLE ADAPTER 33 mm, 2/set			X		
10007851	THIMBLE ADAPTERS, 33 mm, PTFE COATED, 6/set	X				
10001466	THIMBLE ADAPTER 26 mm, 6/set	X	X	X		
10002460	THIMBLE ADAPTER 26 mm PTFE COATED 6/ set	X	X	X		
10006630	GLASS THIMBLE/CRUCIBLE ADAPTER 6/set		X	X		
10010607	GLASS THIMBLE ADAPTER, 6/set	X				
10012379	SOXCAP CAPSULE ADAPTER, 6/set	X	X	X		
	Thimble Stands					
10001473	STAND for 26 mm CELLULOSE THIMBLE	X	X	X		
10003669	PLASTIC STAND for GLASS THIMBLES, used microwave	X	X	X	X	
10003640	METAL STAND for GLASS THIMBLES	X	X	X	X	
10007446	METAL STAND for 33 mm THIMBLES	X				
	Seals					
10007525	CONDENSER SEAL VITON, 6/set	X				
10007526	CONDENSER SEAL BUTYL, 6/set	X				
10007830	CONDENSER SEAL RESEL, 6/set	X				
10007829	CONDENSER SEAL RESEL, 1/set			X		
10007861	CONDENSER SEAL VITON / BUTYL 6 ea/set	X				
10002516	CONDENSER SEALS VITON 6/set		X			
10002705	CONDENSER SEALS VITON 2/set			X		
10002541	CONDENSER SEALS VITON/BUTYL 6 ea/set		X			
10002708	CONDENSER SEALS VITON/BUTYL 2 ea/set			X		
10002517	CONDENSER SEALS BUTYL 6/set		X			
10002706	CONDENSER SEALS BUTYL 2/set			X		
10005712	CONDENSER SEALS TEFLON 6/set		X			
10005711	CONDENSER SEAL TEFLON		X			
10005714	CONDENSER SEALS TEFLON 2/set			X		
10005713	CONDENSER SEAL TEFLON			X		
10010524	CONDENSER SEAL POLYURETANE, 6/set		X			
10010525	CONDENSER SEAL POLYURETANE, 2/set			X		
10003218	GLASS THIMBLE HOLDER, with seal, 6/set				X	
10003205	LOWER THIMBLE HOLDER				X	
10003219	FILTER SEAL UPPER, 6/set				X	
10003201	THIMBLE HOLDER SEAL				X	
	SPARE PARTS					
15290021	WATER ASPIRATOR PUMP				X	
10007329	PTFE FLEXIBLE TUBING FOR CONDENSOR	X				
15820189	PTFE TUBING 3/4 mm	X				
10001823	AIR TUBE WITH CONNECTION	X	X			
10002261	SCREW CONNECTION FOR AIR TUBE			X		
10012231	BOLING STAND NIPPLE					X

*Discontinued, see page 31



Extraction Cups
10007673 and 10007510



Cellulose thimbles



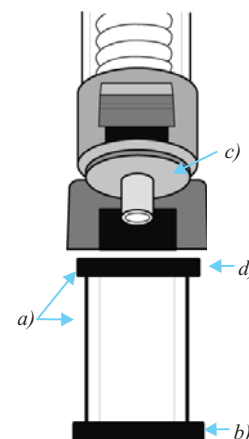
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10010607



Seals



a) 10003218, b) 10003205,
c) 10003219 and d) 10003201



10001860



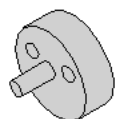
10002026



15250040



10003672



15790008

Cat. No.	Glass Condensers	2050/ 2055	2043	2045	1047*	2047/ 2047 ^{min}
10011728	MAGNET	X	X	X		
10001860	LOWER CONDENSER HOLDER		X			
10002256	LOWER CONDENSER HOLDER			X		
10002026	GLASS CONDENSER		X			
10002262	GLASS CONDENSER			X		
10002280	GLASS CONDENSER complete with sample holder			X		
10007346	GLASS CONDENSER complete with sample rod	X				
10003209	CONDENSER				X	
15250040	CONDENSER VALVE		X	X		
10008301	SAMPLE ROD, complete with magnet	X				
10013840	CONDENSER with drip tray assembly					X
	Tubes/Tubings					
15820004	TUBING PVC 8/11 mm	X	X	X	X	X
15820005	TUBING PVC 4/6 mm	X	X	X		
15820204	TUBING EPDM 6/12 mm	X	X	X	X	X
15820003	DRAINAGE TUBE	X				
15820194	SILICON TUBING 7/10 mm					X
15820064	TUBING VITON 12/16 mm					X
	Miscellaneous					
10001427	FLEXIBLE WIRE FOR THIMBLE MECHANISM		X	X		
10001428	SLIDE FOR FRONT PANEL		X	X		
15840006	AIR VALVE		X	X		
10003672	COMPRESSION RING, 6/set		X			
10003207	GLASS SUCTION TUBE				X	
15820017	TUBING VITON D12/16 mm /m				X	
10003272	REFLECTOR				X	

*Discontinued, see page 31

Flow Injection Analysis



FIAstar™ systems are used for the automatic wet chemical analysis of nutrients and other parameters in water, soil, meat, food and dairy products. The FIAstar 5000 is a fully automatic system for determination of for instance Ammonium, Nitrate/Nitrite and Phosphate, using ISO approved methods. Up to three parameters can be analysed simultaneously with immediate results allowing cost-effectiveness together with easy handling, installation and operation.



FIAstar™ 5000



Sampler 5027

FIStar™ Systems



10004893



50000295



50003139



Pump Tubes



10010083 10010084 10010102



10010020

Cat. No.	CONSUMABLES	5000	5400*	5012*	5027
Consumables For Cassettes and Chemifolds					
50000477	SILICONE OIL	X	X	X	
Consumables for Analysis					
50002875	GAS DIFFUSION MEMBRANES 10/set	X	X	X	
10004893	GAS DIFFUSION MEMBRANES TKN 10/set (Extra durable for e.g. TKN analysis)	X	X	X	
50000295	AMMONIA INDICATOR MIXTURE 5 g	X		X	
50002332	REAGENT FOR AQUATEC, AMMONIA 1 g		X		
50003139	CADMIUM REDUCTION COLUMNS, pre packed 3/pkg	X	X	X	
50002262	DIALYSIS MEMBRANES	X		X	
FIStar 5000 Pump Tubes					
10011772	LABEL SET FOR PUMP TUBINGS 50/pkg	X			
10010208	MIXED PUMPTUBES	X			
10010267	PUMP TUBE ORANGE/YELLOW 5/set	X			
10010268	PUMP TUBE ORANGE/WHITE 5/set	X			
10010269	PUMP TUBE BLACK/BLACK 5/set	X			
10010270	PUMP TUBE ORANGE/ORANGE 5/set	X			
10010271	PUMP TUBE WHITE/WHITE 5/set	X			
10010273	PUMP TUBE RED/RED 5/set (Reag.)	X			
10010274	PUMP TUBE RED/RED 5/set	X			
10010275	PUMP TUBE GREY/GREY 5/set	X			
Other Pump Tubes - Tygon					
10005078	MIXED PUMP TUBES 5012			X	
55820047	PUMP TUBE ORANGE/GREEN 12/set			X	
55820048	PUMP TUBE ORANGE/YELLOW 12/set			X	
55820049	PUMP TUBE ORANGE/WHITE 12/set			X	
55820050	PUMP TUBE BLACK/BLACK 12/set			X	
55820051	PUMP TUBE ORANGE/ORANGE 12/set			X	
55820052	PUMP TUBE WHITE/WHITE 12/set			X	
55820053	PUMP TUBE RED/RED 12/set		X	X	
55820054	PUMP TUBE GREY/GREY 12/set		X	X	
55820091	AQUATEC PUMP TUBE O/Y, 12/set		X		
55820092	AQUATEC PUMP TUBE O/W, 12/set		X		
55820093	AQUATEC PUMP TUBE O/O, 12/set		X		
Other Pump Tubes - Solvent Resistant					
55820076	PUMP TUBE ORANGE/WHITE 12/set			X	
55820077	PUMP TUBE BLACK/BLACK 12/set			X	
55820078	PUMP TUBE ORANGE/ORANGE 12/set			X	
55820079	PUMP TUBE WHITE/WHITE 12/set			X	
Reagent And Sample Preparation					
10010083	REAGENT BOTTLE 500 ml	X			
10010084	CARRIER BOTTLE 1000 ml	X			
10013550	BOTTLE 1000 ml, 3 connectors	X			
10010102	RINSE BOTTLE 500 ml	X			
10010059	LABEL SET	X			
10011772	LABEL SET FOR PUMP TUBINGS	X			

*Discontinued, see page 31

Cat. No.	Reagent And Sample Preparation	5000	5400*	5012*	5027
10010020	TUBE COUPLING FOR BOTTLES 3 mm	X			
15210063	REAGENT BOTTLE 500 ml WITH LUER FITTING 5/set			X	
15210064	BOTTLE 1000 ml WITH LUER FITTING			X	
15210065	BOTTLE 2000 ml WITH LUER FITTING			X	
15210066	CALIBRANT BOTTLE WITH CAP				X
50001343	CARRIER BOTTLE 2,5 L		X		
50002879	LID FOR REAGENT BOTTLE		X		
50002941	LID FOR RINSE BOTTLE		X		
50003536	REAGENT BOTTLE		X		
50003564	STOPPERS FOR REAGENT BOTTLE		X		
	Filtering				
50000276	FILTERING AND DEGASSING UNIT			X	
55220004	FILTER PAPER 100/set			X	
	Sample Cups				
50001822	SAMPLE CUPS 100 ml 400/pkg				X
50003724	SAMPLE CUPS 12 ml 2000/pkg				X
50003725	SAMPLE CUPS 4 ml 1000/pkg				X
D0399436	SAMPLE CUPS 30 ml				X
15770191	PERFORATED CAPS FOR 30 ml CUPS, per piece				X
60022814	SAMPLE CUPS 100 ml 50/set incl. 10 cup covers				X
10013805	PERFORATED CAPS FOR 12 ml CUPS, 100/pkg				X
	ACCESSORIES				
5027-003	SAMPLER, 120 CUPS, 12 ml	X	X	X	X
5027-004	SAMPLER, 64 CUPS, 30 ml	X			X
	FIAStar 5000 Method Cassettes				
5000-010	METHOD CASSETTE NITRITE/NITRATE	X			
5000-015	METHOD CASSETTE DIALYSIS NITRITE/NITRATE	X			
5000-020	METHOD CASSETTE AMMONIUM	X			
5000-030	METHOD CASSETTE PHOSPHATE	X			
5000-040	METHOD CASSETTE TKN	X			
5000-050	BLANK CASSETTE	X			
5000-060	METHOD CASSETTE ALUMINIUM	X			
5000-061	METHOD CASSETTE BORON	X			
5000-062	METHOD CASSETTE CHLORIDE	X			
5000-063	METHOD CASSETTE CALCIUM	X			
5000-064	METHOD CASSETTE CYANIDE	X			
5000-065	METHOD CASSETTE IRON	X			
5000-066	METHOD CASSETTE SILICATE	X			
5000-070	METHOD CASSETTE FREE SO ₂	X			
5000-080	METHOD CASSETTE TOTAL SO ₂	X			
	FIAStar 5000 Filters				
10009942	FILTER 400 NM	X			
10009943	FILTER 420 NM	X			
10009944	FILTER 450 NM	X			
10009945	FILTER 470 NM	X			
10009946	FILTER 500 NM	X			
10009947	FILTER 520 NM	X			
10009948	FILTER 540 NM	X			
10009949	FILTER 570 NM	X			



15210063



15210064



15210065

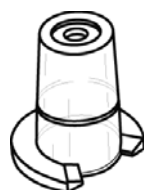


Method Cassettes



Dialysis Cassette

*Discontinued, see page 31



10009605



10009606



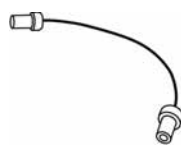
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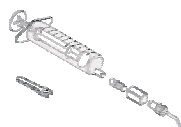
50003531



55860020



50001423



10004473

Cat. No.	SPARE PARTS FIAstar 5000 Filters	5000	5400*	5012*	5027
10009950	FILTER 590 NM	X			
10009951	FILTER 620 NM	X			
10009952	FILTER 660 NM	X			
10009953	FILTER 720 NM	X			
10009954	FILTER 880 NM	X			
10010141	FILTER 1000 NM	X			
	Spares FIAstar 5000				
10012446	PUMP TUBE HOLDER	X			
10009508	FLOW CELL ASSY	X			
55420019	O-RING FOR FLOWCELL	X			
15750086	INJECTION VALVE standard	X			
15750095	ROTOR standard (for injection valve)	X			
10010056	SAMPLE LOOP 40uL	X			
10009893	SAMPLE LOOP 100uL	X			
10009894	SAMPLE LOOP 200uL	X			
10010057	SAMPLE LOOP 400uL	X			
10010058	TUBE, SAMPLE INLET	X			
10009979	PUMP HANDLE	X			
10010053	FLOWCELL INLET TUBING	X			
10010052	FLOWCELL OULET TUBING	X			
10009175	FLOW CELL TOP	X			
15910018	VALVE DISASSEMBLING KEY	X			
10009895	THERMOSTAT TUBING	X			
10011934	POWER SUPPLY 24 DC 100-240V 50-60 Hz	X			
15820210	CARRIER/WASTE TUBING (PER M)	X			
10014924	LAMP	X			
	Spares 5027				
50003651	SAMPLE PROBE, 1channel				X
10010182	SAMPLE PROBE, 2 channels				X
10010184	SAMPLE PROBE, 3 channels				X
10013755	FILTER TIP SAMPLE PROBE				X
10013709	SAMPLE PROBE BACKFLUSH CPL				X
55820062	SILICON TUBING i.d. 1 mm o.d. 3 mm				X
	Spares For Cassettes and Chemifolds				
10009605	TUBE COIL	X			
10009606	TUBE COIL COVER	X			
10010019	TUBE COUPLING 3.5 mm	X			
50001078	O-RING VITON 10/pkg	X	X	X	
50003531	PUMP TUBE CONNECTOR MEDIUM		X	X	
50003532	PUMP TUBE CONNECTOR LARGE		X	X	
10010207	TEFLON TUBING SET, LARGE	X			
10012352	TEFLON TUBING SET, SMALL	X			
	Miscellaneous				
55860020	FLANGED TUBE UNION PVC 10/set		X	X	
50001423	BY-PASS TUBE NO ₂ /NO ₃	X	X		
10014473	TUBING FLUSH KIT	X	X	X	

*Discontinued, see page 31

Additional Support Material

P/N	Item
	Quick Guides A condensed user instruction in A5 plastic leaflet.
	FIAstar™
10015140	Quick Guide FIAstar 5000 (English)
10015139	Quick Guide FIAstar Wine (English)
	Digestion systems
10014329	Quick Guide Tecator Scrubber (English)
10014142	Quick Guide Tecator Digestor (English)
10013844	Quick Guide Tecator Digestor Auto (English)
	Soxtec™ systems
10012211	Quick Guide SoxCap 2047 (English)
	Handbooks
99990220E	Digestion Handbook This book covers all relevant aspects of the digestion procedure and also contains a comprehensive troubleshooting scheme. (English) The Digestion Handbook contains the following chapters: • Introduction • The Kjeldahl procedure • Optimising the Kjeldahl Digestion - Acid, Salt, Catalyst, Reducing/Oxidizing Agents, Boiling Time and Foaming • Limitations • Digestion Procedure • Quality control in Kjeldahl procedures - Digestion, Distillation • Application Guidelines • Trouble Shooting - 12 Common Questions • Questions and Answers • References • Index



10012996	Interactive Product Guide The Chemical Analysis interactive CD provides information on the whole product range: • Sample Mills • Soxtec™ systems • Digestion blocks • Kjelttec™ systems • Fibertec™ systems • FIAstar™ system The content includes principle of operation, applications, technical specifications and a full screen movie disc featuring instruments in routine use.
	User manuals Replacement User manuals are available for a small fee. Please contact your local FOSS representative.



Discontinued instruments

		Year	
Extraction Analysis	1043	2000	Soxtec HT6
	1045	2000	Soxtec HT2
	1046	2000	Service Unit
	2058	2000	Soxtec Avanti
	1047	2004	Hydrolyzing Unit
Fibre Analysis	1017	2000	Fibertec M2
	1018	2000	Cold Extraction Unit
Flow Injection Analysis	5400	2000	Aquatec
	5012	2000	FIAstar
Digestion Systems 2000 series	2006	2005	Digestor DS-6
	2012	2005	Digestor DS-12
	2020	2005	Digestor DS-20
	2040	2005	Digestor DS-40
	2015	2005	Lift System
	2001	2005	Scrubber, bench top
	1013	2004	Scrubber, for up to two Digestors

Non supported instruments

		Year	
Kjeltec™ Systems	1026	1997	Kjeltec
	1030	1997	Kjeltec
	1035	1999	Kjeltec
	1038	1999	Kjeltec
Sample Preparation	1094	1998	Homogenizer
Fibre Analysis	1010	1998	Fibertec I

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FossCare™ Support Plan

Just a phonecall away...

SUPPORT PLAN FEATURES	PLATINUM	GOLD	SILVER	BRONZE
DURATION	1-2 years	1-2 years	1-2 years	1-2 years
SCHEDULED PREVENTIVE MAINTENANCE VISITS*	2	2	2	1
ADDITIONAL PREVENTIVE MAINTENANCE VISITS	Optional	Optional	Optional	
ON-SITE RESPONSE TIME	24h	48h	72h	Priority
TRAVEL EXPENSES	✓	✓		
ON-SITE LABOUR FOR UNPLANNED VISITS	✓	✓		
SERVICE SPARES FOR REPAIRS	✓			
PHONE SUPPORT (BUSINESS HOURS)	Unlimited	6h	4h	3h
SOFTWARE MAINTENANCE SUPPORT	✓	✓	✓	✓
INSTRUMENT SAFETY CHECKS	✓	✓	✓	✓

* Subject to instrument type

Our solutions are sold and supported through a network of FOSS sales and service companies in 22 countries and by more than 100 highly qualified distributors worldwide. Apart from our standardised FossCare™ Support plans, available from all our subsidiaries, we can also offer a wide range of local support products and trainings, adopted to your market requirements.

Please contact your local FOSS representative for a tailor-made package to fit your specific needs.



About FOSS

FOSS produces and supports dedicated analytical solutions using patented techniques and approved methods.

Your partner in analysis, FOSS has a long and proven track-record in automated grain quality analysis that is unique to the industry. We are the only supplier to offer you a complete range of rapid analytical systems with indirect and reference methods. Solutions are based on near-infrared transmittance and reflectance techniques, wet chemistry or digital image analysis. FOSS can provide you with a total solution for analysis and quality control of agricultural products throughout the production chain – from on-line process quality control to routine analysis in the reference laboratory.

New instruments, applications and calibrations are continuously developed with a constant eye on emerging customer demands. That's why products are developed in close cooperation with key customers, recognized research institutes and through industry-based technology partnerships. Today, over half the NIR/NIT analyzers for agricultural applications in use around the world are provided by FOSS.

Products are sold through FOSS sales and service companies in 22 countries. In the rest of the world our products are marketed and serviced by some 100 highly-qualified distributors. You are guaranteed complete customer support including extensive training according to your requirements. When you invest in a FOSS solution, your investment is secured.

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