

DIETARY FIBER EXTRACTION



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The procedure for determining dietary fiber exposes the sample to a series of enzymatic digestions that simulate the real digestive process which takes place in the human and animal digestive tract, calculating the undigested residue remaining at the end of the analysis. Generally speaking, dietary fiber analysis is carried out on foods intended for human consumption whereas raw fiber analysis is carried out on animal feeds or on raw materials of vegetable origin, e.g. cereals.

GDE

The **GDE** performs enzymatic digestion, a delicate phase where samples are immersed in a thermostatic water bath and stirred. **Continuous and constant sample mixing** is necessary in order to prevent the sample from overheating. The unit consists of an immersion heating head, a transparent tank and a VELP 6-place magnetic stirrer to ensure **excellent thermoregulation and precision**.

INSTRUMENT	POWER SUPPLY	CODE No
GDE	230 V / 50-60 Hz	F30400209
GDE	115 V / 50-60 Hz	F30410209



CSF 6

The **CSF 6** filtration unit carries out the final filtration and washing phase foreseen by the enzymatic method for dietary fiber determination. The CSF 6 used in combination with the GDE is suitable for the determination of total dietary fiber and **reduces the time required** compared to manual procedures considerably. The glass funnels facilitate the introduction of the digested sample and solvents into the instrument. The filtering and final washing stages are **speeded-up** thanks to the vacuum function.

Temperature: up to 550 °C

INSTRUMENT	POWER SUPPLY	CODE No
CSF 6	230 V / 50 Hz	F30420210
CSF 6	230 V / 60 Hz	F30430210
CSF 6	115 V / 60 Hz	F30440210



GENERAL FEATURES AND PERFORMANCE

TEMPERATURE RANGE	Ambient to 105 °C
POWER	900 W
DIMENSIONS (WxHxD)	413x295x410 mm (16.2x11.6x16.1 in)
WEIGHT	6.2 Kg (13.66 lb)

OPTIONAL ACCESSORIES	CODE No
Beaker, 400 ml	A00000999
Stirring bar, 6x35 mm	A00001056
Pool balls 800 pcs/box	A00000241
IQ/OQ Manual for GDE	A00000249

AOAC

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GENERAL FEATURES AND PERFORMANCE

CONSTRUCTION MATERIAL	Epoxy painted stainless steel structure
PERISTALTIC PUMP	High suction capacity
RESIDUES COLLECTING	Separate
COUNTERPRESSURE	Electronic setting
FILTRATION TIME	Shortening
POWER	220 W
DIMENSIONS (WxHxD)	750x420x380 mm (28.7x16.5x15.0 in)
WEIGHT	28 Kg (61.6 lb)

SUPPLIED WITH	CODE No
Glass crucibles P2, 6 pcs/box	A00000140

OPTIONAL ACCESSORIES	CODE No
Glass crucibles P2, 6 pcs/box	A00000140