DIETARY FIBER EXTRACTION

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 immerged 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**
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CSF 6 | 230 V / 50 Hz | F30420210
CSF 6 | 230 V / 60 Hz | F30430210
CSF 6 | 115 V / 50 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

- Beaker, 400 ml: A00000999
- Stirring bar, 6x35 mm: A00001056
- Pool balls 800 pcs/box: A00000241
- IQ/OQ Manual for GDE: A00000248

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