



## Extractor for the determination of cellulose and fibre “Dosi-fiber”

### APPLICATIONS

Total Fibre (WEENDE, VAN SOEST or similar). Dietary fibre. Neutral detergent fibre. Acid detergent fibre. Other extraction processes which do not use acetic acid, acetic trichloric acid or nitric acid. Textile fibre. Wood and paper fibre.

### EQUIPMENT DESCRIPTION

Integral extraction and filtration.

No sample transfer reduces the risk of sample loss, since the tubes, crucibles and filter are transferred with the samples in place.

Excellent results due to reproducible operating conditions.

Easy sample handling due to the special crucible support stand.

Versatile and precise test procedure that allows the samples to be weighed at various stages in the extraction process.

### FEATURES

Rugged external case with a “RILSAN” protective coating. All equipment components; condenser, valves, heater, compressed air valves and controls are all protected within the main case. Infrared heating elements.

### CONTROL PANEL

Mains illuminated ON/OFF switch.

Switch for compressed air pump.

Heating element with electronic control.

### TECHNICAL DATA

Sample size: 0.5 to 3 g (Normally 1 g).

Reproducibility: approximately  $\pm 1\%$  for fibre level between 5-30 %.

Measuring range: 0.1 to 100 %.

Cooling water consumption: 1 litre/minute.

### EQUIPMENT

Comes complete with: crucible with a porosity P-2, Crucible support rack, heater lid and holder manipulator.

### MODELS

| Part No. | No. of places | Height / Width / Depth (exterior) cm | Power W | Weight Kg |
|----------|---------------|--------------------------------------|---------|-----------|
| 4000599  | 4             | 56 43 32                             | 1000    | 19        |
| 4000623  | 6             | 56 57 32                             | 1500    | 25        |



6 places extractor, part no. 4000623.

### ACCESSORIES

Double hotplate for reagents.

Power consumption 1750 W.

Part No. 4000634

Beaker for reagents.

Part No. 1000635



### SPARES

Support rack

4 crucibles.

Part No. 4000600

Support rack

for 6 crucibles.

Part No. 4000624

Crucibles

with a P - 2 porosity.

Part No. 4000601

### EQUIPMENT FOR THE DETERMINATION OF TOTAL DIETARY FIBRE, ENZYMATIC METHOD

THE DETERMINATION OF TOTAL DIETARY FIBRE BY THE ENZYMATIC METHOD (AOAC, AACC) IS VERY DIFFERENT TO THE WEENDE AND THE DE VAN SOEST METHODS. THE EQUIPMENT FOR THIS ANALYSIS DEPENDS ON THE ENZYME KIT THAT YOU ARE GOING TO USE. ONCE THE TYPE OF ENZYME KIT IS SELECTED THE KIT INSTRUCTIONS WILL INDICATE THE NECESSARY EQUIPMENT TO COMPLETE THE ANALYSIS. THE COLD EXTRACTION UNIT EF-1425 PART NO 4001425 AND THE RECIPROCAL BATH PART NO 6032011 ARE FREQUENTLY USED (SEE PAGE 91).



## Cold extraction unit “EF-1425”

### DESCRIPTION

Specifically designed unit for cold extraction of up to 6 samples simultaneously, using acetone or other solvents. Complements the Dosi-Fiber for the analysis of crude fibre.

Components: 1 litre receptacle for solvent recovery, suction tube and 6 adapters to hold the filtration crucibles Part No. 4000601.

A pump or jet pump will be required to connect to the suction tube.

Comes complete with: blank stoppers in the case that not all of the 6 crucible places are used and a 1 litre solvent recovery vessel.

### FEATURES

Stainless steel AISI 304, extractor, modular construction, easy to use and fast removal for efficient cleaning.

Support and crucible rack, made from hardened glass.

### MODEL

| Part No. | Height / Width / Depth (exterior) cm | Weight Kg |
|----------|--------------------------------------|-----------|
| 4001425  | 45 20 34                             | 3         |

### ACCESSORY

Jet pump.

Part No. 7000293

