



## Dry block for Determination of Organic Nitrogen by the Kjeldahl method



### Models Macro and Micro

- THE EQUIPMENT FOR THE DETERMINATION OF ORGANIC NITROGEN IS MADE OF TWO BASIC ELEMENTS:
- BLOCK DIGESTER (MINERALISATION) WITH PROGRAMMABLE TEMPERATURE CONTROL AND GLASSWARE (MACRO 250 ml AND MICRO 100 ml).
  - DISTILLATION UNIT "PRO-NITRO M", "PRO-NITRO S" (SEMI-AUTOMATIC) AND "PRO-NITRO A" (AUTOMATIC).



## Digestion Block "Bloc-digest"

### FEATURES

- Minimal sample manipulation
- Uniform heating.
- Capacity to store 20 programs of 4 steps for temperature and time.
- RS-232 port for temperature register and digestion programming from a PC.
- Gas collection system that does not require special water jet pumps.
- Supplied complete with:
  - 1 metal heater block.
  - 1 programmer for time and temperature
  - 1 tube support rack
  - 1 gas collector
  - Digestion tubes.

Complete unit with: Dry-block connected to a programmable process unit, (time and temperature) rack support for tubes and fume extractor.



### MODELS - COMPLETE UNIT MACRO

MACRO	Part No.	No. of positions
Bloc Digest 6	4000629	6
Bloc Digest 12	4000630	12
Bloc Digest 20	4000631	20

### MODELS - COMPLETE UNIT MICRO

MICRO	Part No.	No. of positions
Bloc Digest m 12	4001047	12
Bloc Digest m 24	4001048	24
Bloc Digest m 40	4001049	40

### ACCESSORIES: EXTRACTION SYSTEM AND NEUTRALIZATION OF ACID VAPOURS



Digestion block.

"Scrubber"

Re-circulating vacuum pump.

- Reduces water consumption, no requirement for a constant connection for mains water.
- Prevents emission of gas vapours and acidic water to waste.
- Low noise level (<65dBA)
- Re-circulating pump made from chemically resistant materials

#### "Scrubber" unit

Part No.	Height / Width / Depth (exterior) cm	Weight Kg
4001611	32 31 16	2

It is supplied with 3 Kg. acid vapours neutralizer solution.

#### Spare part:

3 Kg. acid vapours neutralizer solution.

Part No. 4001610

Specially designed to absorb and neutralize vapours generated in the Kjeldahl digestion processes.

Composed of a "Scrubber unit" that blocks the passage and neutralizes the condensed acids, and a re-circulating water pump that produces sufficient vacuum to aspirate the vapours.

It is essential to put the "Scrubber" unit together with the neutralizer solution between the digestion block and the re-circulating pump. Digester "Bloc Digest 20" requires 2 "Scrubber" units for a proper neutralization of fumes. Note: Pump with part number 4001612 has 2 suction inlets.

#### Water recirculation vacuum pump

Part No.	Height / Width / Depth (exterior) cm	Vacuum level bar	Pump rate Litres/minute	Weight Kg
4001612	44 39 28	0.98	10	10