



## Steam distillation unit Kjeldahl “Pro-Nitro M”

DETERMINATION OF ORGANIC NITROGEN (KJELDAHL METHOD).  
AUTOMATIC NaOH DOSAGE AND TEMPORIZE STOP.

Steam distillation Kjeldahl unit.

Simple secure systematic analysis suitable for small to Medium throughput of samples.

### FEATURES

Steam distillation system.

Compact steam generator with safety over temperature thermostat and over pressure device.

Safety door, the system will not operate if the door is open.

“Tube in place” sensor: if the tube is not located, the dosing process of NaOH will not take place.

Universal adapter for digestion/distillation tubes MACRO (Ø 42 mm) and MICRO (Ø 26mm)

**Small footprint, saves bench top space:** The H<sub>2</sub>O and NaOH reservoirs are placed within the unit.

Stainless steel case with reinforced ABS plastic front.

Automatic distillate titration kit. (See accessories).

### SPECIFICATIONS

Measuring range: from 0,2 to 200 mg of Kjeldahl Nitrogen.

Programmable distillation time.

Nitrogen recovery >99,5%

Distillation speed: from 35–40ml/minute

Typical distillation time: from 7–10 minutes.

Water consumption rate: from 80–100 litres/Hr.

Steam generator water consumption: 2,5 Litres/ Hr.

Water reservoir for steam generator: 6 litres

NaOH reservoir: 2 Litres.

### ALARMS

Low water level for the steam generator.

Safety door open or no distillation/digestion tube in place.

Steam generator over temperature.

### AUTOMATED SEQUENCES

Open and closure of cooling water to the cooling coil.

Automatic load of NaOH once the distillation has started.

Select NaOH volume.

Stop at the end of the pre-set programmed time.

### ADDITIONAL REQUIREMENTS

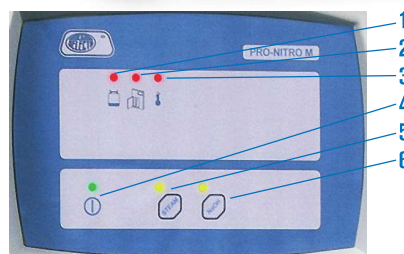
To complete Kjeldahl Nitrogen analysis a digestion block is also required.

(See Bloc Digest pages 251 and 252).

### MODEL

Part No.	Height / Width / Depth cm	Power W	Weight Kg
<b>4002627</b>	<b>75 50 50</b>	<b>1800</b>	<b>30</b>

Supplied with a MACRO Ø 42mm tube, set of reagent containers and tubing.



### CONTROL PANEL

1. Low water indicator.
2. Door open or no tube presence indicator.
3. Over temperature indicator.
4. Mains on indicator.
5. Push button and indicator start/stop distillation.
6. NaOH volume selection.

### ACCESSORIES

**Tube for digestion and distillation** Series MICRO of 100 ml volume.

Part No. **4001045**

**Digestion and distillation tube** Series MACRO of 250 ml volume.

Part No. **4042300**



**Adapter kit** for automatic determinations. Vessel with location positions for pH electrode, stirrer and reagents and distillate sample.

Part No. **4001724**



**Polycarbonate conical flasks** durable. CAPACITY 250 ml

Part No. **5310100** with cap.

Part No. **5310101** without cap.

