



Steam distillation unit Kjeldahl "Pro-Nitro M"

DETERMINATION OF ORGANIC NITROGEN (KJELDAHL METHOD).



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 H₂O 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 140 mg of Kjeldahl Nitrogen.
- Programmable distillation time.
- Nitrogen recovery >99.4%
- 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 Litres/ Hr.
- Water reservoir for steam generator: 6 litres
- NaOH reservoir: 2 Litres.

ALARMS

- Low water level in the reservoir 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

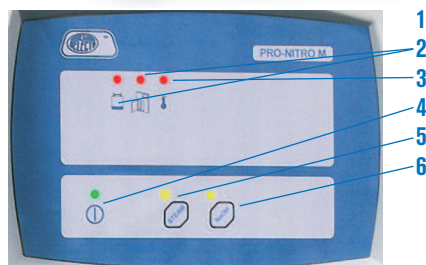
To complete Kjeldahl Nitrogen analysis a digestion block is also required.
(See Bloc Digest pages 233 and 234).

MODEL

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

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

Compatible with the closed circuit refrigerated water circulation unit INTERCOOLER I. Water saver, (see page 96).



CONTROL PANEL

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

ACCESSORIES



Digestion and distillation tube Series MACRO of 250 ml volume. Graduated to 100 ml 42 mm Ø x 300 mm high.
Part No. **4042300**



Tube for digestion and distillation Series MICRO of 100 ml volume. 26 mm Ø x 300 mm high.
Part No. **4001045**



Adapter kit for automatic determinations. Vessel with location positions for pH electrode, stirrer and reagents and distillate sample.
Part No. **4001724**