

DE 2000

Automatic distiller-extractor



Automatic steam distiller-extractor for volatile acidity and alcohol with the official method (CEE n°2676/90), preequipped for cooling bath.

> **Designed for the distillation of alcohol**, until 20% vol. and about 45% vol. when using a specific closed-circuit circulating cooling bath such as FREE-EAU 02 or SUPER FREE-EAU 02, **and the extraction of volatile acidity or sorbic acid** by a steam generator.

> **All operations comply with European regulations** (Official Journal L272 of 3/10/90) **and the O.I.V. standards** such as those described in the Recueil des Méthodes Internationales d'Analyse des Vins et des Moûts (Compendium of International Methods of Analysis of Wine and Musts).

> **Fast starting and reliable results** make the DE 2000 advisable for laboratories specialized in wine analysis, spirits, fermented beverages, fruit juices and many other agriculture and food industry products (tomato sauces, vinegars, etc...).

> **Work time very short :**

- 5 minutes for the extraction of volatile acidity (20 ml of sample - 200 ml of distillate)
- 6 minutes for the distillation of alcohol (250 ml of distillate)

35-cm steam rectifying column with Rashing rings prevents the distillation of the lactic acid.

1000 ml bubbler flask and an extra 250 ml flask preventing the carry over of the sample.

Stainless steel bubbler with airtight heater bands for an extraction without increasing the initial volume of the sample, and the total releasing of volatile acids.

Steam generator :

- **Made of highly resistant machine-cut aluminium** with built-in electric heater (2800 W)
- **Injection, by a dosage pump of the water necessary** for the generator throughout the entire extraction process (no container of boiling water)

Cooling system :

- **Automatic stop of the cooling circulation** between distillations
- **Pre-equipment for the connection of a cooling unit in closed circuit** such as FREE-EAU EVO



Ref. 140900

Use of Graham cooling coils (external diameter : 44 mm, length : 450 mm, length of the enrolled coil : 2,50 m)

Digital display of the cooling liquid temperature

Yellow indicator light (distillation or extraction in process)

Extraction start push button

End of extraction determined by a timer is obtained with the stop of the pump which supplies the generator with water.

Atmospheric pressure glass bead tube for the pressures trim outbound without alcohol loss.

Green indicator light for preheating the steam generator

Distillate outlet with a fringed tip for a reception in aqueous environment.

Power supply : 220 V - 50 Hz
Dimensions (H x W x D) : 970 x 450 x 360 mm
Weight : 35 kg

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