



Oenological Distillation unit "DE-1626"

APPARATUS TO OBTAIN THE DISTILLATION OF ALCOHOL FROM ALCOHOLIC BEVERAGES IN ACCORDANCE WITH CEE NO. 2676/90 (WINE ANALYSIS) AND CEE NO. 2870/2000 (ANALYSIS OF SPIRITS.)

APPLICATIONS

Degree of alcohol in wines, Degree of alcohol in spirits, Volatile acids and Sorbic acid.

FEATURES

Vapour distillation.

Designed especially to obtain the distillation of wines and spirits to determine the alcohol grade by volume, volatile acid, ascorbic acid and other components.

Distillation volume up to 400 ml.

Auto stop at the end of the distillation.

Simple operation with minimum service.

Vapour generator protection system.

- Tube Ø 42 mm for volatile acid samples.

- Tube Ø 52 mm for volatile acid samples and 100 ml proof alcohol.

- Tube Ø 80 mm for samples of 200 ml for proof alcohol.

- 200 ml Matrix flask to collect distillate.

TECHNICAL SPECIFICATIONS

Validated to the criteria of CEE No. 2676/90 and CEE No. 2870/2000

Distillation speed: 30-40 ml/min (Recover of 200 ml of distillate in 5/6 minutes).

Condenser coolant water rate: 80-100 l/hr.

Generator water consumption: 1 and 1.25 ml for each ml of distillate.

Vapour generator power: 2400 W.

CONTROL PANEL

Control Panel.

Electronic controller.

Mains switch.

START Push button.

STOP Push button.

ADD Push button.

By the use of the ADD button allows the distillate to set burette level, then, there is no need to fill up with water to a level of 200 ml.

VALIDATION

The oenological DE-1626 has been validated by the oenological laboratory INCAVI in Vilafranca del Penedés. This laboratory has completed analysis from the distillation unit DE-1626 for the determination of alcohol proof by volumetric analysis, following the criteria of CEE No 2676/90 and CEE 2870/2000. They have analysed samples of hydrated alcohol, different wines and spirits with a high alcohol content. The unit was successfully appraised by the laboratory.

MODEL

Part No.	Height / Width / Depth cm	Power W	Weight Kg
4001626	90 30 30	2400	20

Supplied with tubes and flasks Ø 42, 52 and 80 mm and a 200 ml matrix flask.



Automatic termination of final distillation at 200 ml of distillate. By using the ADD function small quantities of distillate can be added to accurately fill the matrix flask to the mark without having to add water to the distillation.



ACCESSORIES



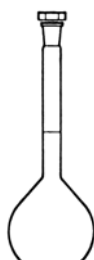
Glass tube adapters.

Part No.	Dimensions
4042300	Ø 42 x 300 mm
1001422	Ø 52 x 300 mm
1000646	Ø 80 x 300 mm



Support rack for 6 tubes, made of stainless steel.

Part No.	Suitable tubes dimensions
4000648	Ø 42 mm
4001473	Ø 52 mm
4001613	Ø 80 mm



Matrix flask 200 ml.
Part No. **1001636**

Alcoholmeters, graduations in 0.1 grade alcohol.

Part No.	Graduations
1001629	0 - 10
1001630	10 - 20
1001631	20 - 30
1001632	30 - 40
1001633	40 - 50
1001634	50 - 60
1001635	90 - 100



Alcoholmeters stand 6 places.
Part No. **1000015**

COMPLEMENTS FOR THE OENOLOGICAL DISTILLER "DE-1626"

ALL BASIC WINE ANALYSIS WITH A SIMPLE MANUAL EQUIPMENT, COMPOSED OF: OENOLOGICAL ANALYSER PHOTOMETER "M-3000", MICRO-CENTRIFUGE "CENCOM-1" AND DRY-BLOCK THERMOSTAT "ENOBLOC".



Oenological analyser photometer "M-3000"

SMALL BENCHTOP ANALYSER.

FOR COLOR MEASUREMENT, FOLIN-CIOCALTEAU INDEX AND FOR ENZYMATIC ANALYSIS.

APPLICATIONS

With the oenological application photometer, the following determinations can be performed:

1. Wine colouring intensity (absorbances addition at: 420, 520 and 620 nm.)
2. Folin index (polyphenols).
3. Grapes phenolic colour and maturity by means of *Cromoenos*® method.
4. Enzymatic analysis for grape juice, grape juice-wine and wine. Acids: acetic, malic, gluconic and lactic, glucose, fructose and glycerine.

FEATURES

Wavelength range: from 340 to 750 nm, with interference filters with a 10 nm band pass.

Manual filter selection (12 positions filter disc).

Supplied with filters: 340, 420, 520, 620 and 750nm.

Other optional filters possible.

ABS, T% and concentration reading.

ABS reading range: from -0.3 to 3.5 OD.

T% reading range from 0 to 100%T.

Concentration range: from 0.001 to 9.999

Photometric accuracy: 1%.

Precision: ± 1 %.

Photometric stability: better than 0.004 A/h.

Light source: halogen lamp 6V/12W.

Cell holder for 10 mm. path length cuvettes.

Internal calibration by software.

CONTROL PANEL

Filter change knob.

Numeric keypad and for functions.

Alphanumeric display with interactive messages.

RS-232 interface for connection to printer or computer.

MODEL

Part No.	Height / Width / Depth mm	Power W	Weight Kg
4120019	11 18 28	35	3



SPARE

Halogen lamp 6 V 12 W.

Part No. **4313040**

Note: A visible ultraviolet range spectrophotometer UV-2005 is needed for a total polyphenols index determination (absorbance 280 nm) and the *Cromoenos*® method exact and accurate measurement.
Part no. 4120020. Page: 235

ACCESSORIES

Glass cuvettes 10 mm. path length. 2 units pack. Part No. **5100021**

Glass cuvettes 1 mm. path length. 2 units pack. Part No. **4120034**

Polystyrene cuvette, semi-micro, 10 mm. path length. 100 units box. Part No. **5100023**

Cuvettes adapter of 1 mm. Part No. **4120033**



Metallic thermostat dry block "Enobloc"

APPLICATIONS

To use the enzymatic reagents performing at full capacity, it is recommended to incorporate the thermostat dry-block incubator for tubes/cuvettes at a fixed temperature of 35 °C.

Part No. **7001570**

Capacity: 15 cuvettes pathlength 10 mm, which can be macro or semi-micro of 1,5 ml..

MODEL

Part No.	Height / Width / Depth (exterior) cm	Stability °C	Power W	Weight Kg
7001570	11 18 28	$\pm 0,5$	10	2,4

