



## 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
<b>4001626</b>	<b>90 30 30</b>	<b>2400</b>	<b>20</b>

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



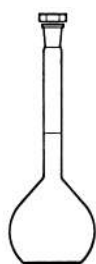
Glass tube adapters.

Part No.	Dimensions
<b>4042300</b>	Ø 42 x 300 mm
<b>1001422</b>	Ø 52 x 300 mm
<b>1000646</b>	Ø 80 x 300 mm



Support rack for 6 tubes, made of stainless steel.

Part No.	Suitable tubes dimensions
<b>4000648</b>	Ø 42 mm
<b>4001473</b>	Ø 52 mm
<b>4001613</b>	Ø 80 mm



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

Alcoholmeters, graduations in 0.1 grade alcohol.

Part No.	Graduations
<b>1001629</b>	0 - 10
<b>1001630</b>	10 - 20
<b>1001631</b>	20 - 30
<b>1001632</b>	30 - 40
<b>1001633</b>	40 - 50
<b>1001634</b>	50 - 60
<b>1001635</b>	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: 240

### 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

## COMECTA Microcentrifuge "Cencom III"

FOR MICROTUBES OF 2,2/1,5, 0,5 AND 0,2 ML.

DIGITAL ELECTRONIC CONTROL OF SPEED AND TIME. ADJUSTABLE SPEED UP TO 14500 r.p.m.

### FEATURES

ABS external case.

Maintenance free induction drive motor.

Rubber suspended motor which reduces the vibrations.

High speed microcentrifuge that minimizes the samples over temperature.

Extremely quiet operation.

For 12 microtubes with identification code.

Polycarbonate upper lid.

Peephole on the lid to visualize the centrifuge inside.

### CONTROL PANEL

Start switch.

Push button Start/Stop.

LCD display indicating time and speed.

Time selector push button.

Speed selector push button.

Push button ▲ increase different parameters.

Push button ▼ decrease different parameters.

Push button motor drive rotation for quick acceleration

Short/Spin.

Push button open lid when cycle has ended.

### MODEL

Part No.	Tubes capacity	Height/ Width/ Depth (exterior) cm	Max. speed r.p.m.	R.c.f.(xg)	Power W	Time selected	Weight Kg
5022010	12	15 21 25	14500	14000	105	till 99' 99"	4



OPTIC  
*ivymen*  
SYSTEM

NEW  
DESIGN

Comes complete with 12 adapters of 0,5 and 0,2ml.



## 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	±0,5	10	2,4



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(for analytical applications, please check out the website).