

## 1 Electronic distiller model Dualstill Plus

According to the OIV regulation concerning the determination of the Volumetric Alcoholic Titration and Volatile Acidity in wines, its derivative musts and in spirit drinks.

Ultra-rapid and totally automatic instrument for detection of ALCOHOL and VOLATILE ACIDITY; born and designed to automate all pre- & post-distillation steps.

Shiny stainless steel 1810 epoxy painted frame.

Analysis chamber in Pyrex and PTFE.

Heating is done inside a DURAN glass chamber through a dual system: Electric (electrodes with electronic control) and Steam (electronically controlled high efficiency boiler).

The interface with the user takes place through the large graphical display and the comfortable membrane keyboard: to program very easily all the parameters of the analysis to be performed (you can enter up to 99 different types of analyzes).

### Technical features

Heating system: Electric/Steam.

Distillation end block: Automatic.

Cooling circuit: Water automatic stop.

Distillation Vessel: DURAN PTFE.

Construction: stainless steel - PTFE.

Power supply: 240/220 V - 50/60 Hz, 15 Amp.

### Distillation timing

ALCOHOL: about 3 min. 30 sec. for 100 mL distillate.

VOLATILE ACIDITY: about 7 min. for 250 mL distillate.

STANDARD EQUIPMENT INCLUDES: Instrument starting kit, consisting in n. 2 x 100 cc flasks, n. 1 x 200 cc flask, n. 1 x 250 cc flask, antifoam dosing device, calcium hydroxide solution dispenser, n. 2 x plastic pipettes, distilled water container, chemicals for distillation, fittings, instruction manual.

DESIGNED AND CONSTRUCTED in accordance to D.P.R. 459/96, D.P.R. 24/5/98 No 224 and CEI EN 61010-1.

"CE" Marked.

1



Dualstill Plus

Description	PK	Cat. No.
Dualstill Plus	1	A11350

## 2 Electronic distillers

According to the OIV regulation concerning the determination of the Volumetric Alcoholic Titration and Volatile Acidity in wines, its derivative musts and in spirit drinks.

Double heating system, steam and electric, simultaneously acting, thus ensuring at an exceptionally short time the extraction of alcohol from the matrix in which it is dissolved. The sample matrix can be of any type, being the instrument an "open distillation vessel" one, a condition greatly simplifying sample preparation steps and cleaning when distillation is finished.

All deteriorable parts are easily accessible and can also be replaced by non-specialized personnel, thus simplifying ordinary and extraordinary maintenance.

The carrying structure of the instrument, completely in stainless steel AISI 304 having 1.5 mm thickness, always keeps it in perfect functional and goodlooking conditions.

### Distillation timing

- Alcohol: about 4 minutes (approximate time to distill 100 mL of alcohol solution).

- Volatile acidity: about 6 minutes (approximate time to obtain 200 mL of distillate starting from 20 mL of product).

### Technical features

- Heating system: steam current/electric, selectable.

- Distillation end block: Automatic and adjustable to the values required by the user.

- Cooling circuit: Water, with automatic stop at end of distillation.

- Distillation vessel: open, with quick locking system.

- Safety: safety devices both on door and boiler.

- Power supply: 220V ±10%.

- Absorption: 15 A max.

- Dimensions: 400x380x850 mm (LxWxH).

Standard equipment includes: Instrument starting kit, consisting in n. 2 x 100 cc flasks, n. 1 x 200 cc flask, n.1 x 250 cc flask, n. 2 x distillation rooms, antifoam dispensers, calcium hydroxide solution dispenser, n. 2 plastic pipettes, distilled water container, chemicals for distillation, fittings, instruction manual.

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Dualstill / Unistill

Description	PK	Cat. No.
Dualstill. Alcohol & Volatile Acidity.	1	A11301
Double heating system: electric / steam, selectable. Electronic keyboard.		
Unistill. Alcohol only.	1	A11308
Electric heating system through two electrodes. Membrane keyboard.		

## Accessories and spares for automatic distillers

For all our models: Dualstill, Unistill and Dualstill Plus.

Description	PK	Cat. No.
Distillation cup, 100 mL	1	F11316
Distillation cup, 200 mL	1	F11317
Flask, 100 mL complete with cap	1	F11310
Flask, 200 mL complete with cap	1	F11311
Flask, 250 mL complete with cap art. YK0001142 (NOTE: only for model Dualstill)	1	9141036
Sealing for distillation cup	1	X10099

# Distillers



A113301



A113302

## 1 2 Official EEC distillers

For Alcohol detection.

Type	Description	PK	Cat. No.
1-place, with gas heating system	complete with spherical joint round bottom flask, 500 mL	1	A113301
1-place, with electric heating system	complete with collection flasks 100 - 200 cc	1	A113302

## Automatic Enzymatics



**ITALO<sup>S</sup>**  
100% automatic  
120 tests/hour

"ALL IN ONE"  
user console

THE RIGHT MODEL  
FOR EVERY KIND  
OF LAB



**ITALO<sup>XL</sup>**  
300 tests/hour  
Double arm

**ITALO<sup>L</sup>**  
240 tests/hour

**ITALO<sup>M</sup>**  
120 tests/hour



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