OENOLOGICAL INSTRUMENTS
AUTOMATIC LAB DISTILLER

SUPER DEE



- Integrated Steam Generator
- Automatic Distillation
- Energy & Water saving
- Extraction of SO2 & Sorbic Acid Trough steam distillation
- Alcoholic Content extraction through Electrode heating
- Volatile Acidity extraction through Steam Distillation

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Super DEE is a FULLY AUTOMATIC DISTILLER that produces distillates from wine, spirits, perfumes, or other alcoholic solutions for the determination of alcohol content by volume, Super DEE is available with Integrated steam generator , for the extraction of volatile acidity, sorbic acid, and sulphur dioxide (mod.SUPER DEE) or without steam generator (mod. SDEE-SV)

Functions

SDEE is equipped with an easy-to-read CONTROL PANEL FEATURING AN INTELLIGENT ALPHANUMERIC DISPLAY and a keypad that manages and controls the microprocessor, enabling the following functions:

The regulation and the tare of the balance
The volume to be distilled
The real time value of the distilled amount
Check of the inlet cooling water: temperature, pressure and flow.
Languages : Italian , English , Spanish and French
Safety Warning display in case of missing or wrong components (Flasks, Opened protections or drainage) and faults (Boilers failures* , Water temperature too hot ...)
INTEGRATED STEAM GENERATOR* directly connected to tap water, with user replaceable demineralization column

*Only with SDEE

Execution Times

Models	SDEE	SDEE/SV
Wine Distillation	100 ml sample in 3÷4 min	100 ml sample in 3÷4 min
Spirits Distillation	200 ml sample in 6÷7 min	200 ml sample in 6÷7 min
Volatile Acidity extraction	20 ml sample in 6÷7 min (distilled 250ml)	N/A
Sulphur Dioxide extraction (SO2)	50ml sample in 6÷7 min	N/A
Sorbic Acid extraction	10ml sample in 6÷7 min	N/A

Compliance with International norms

O I V - M A - A S 3 1 2 - 0 1 (Alcoholic Strength in Wines)
O I V - M A - A S 3 1 3 - 0 2 (Volatile Acidity)
O I V - M A - A S 3 1 3 - 1 4 A (Sorbic Acid)
OIV-MA-BS-01 (Alcoholic strength by volume in spirit drinks of vitivinicultural origin)
COMMISSION REGULATION (EC) N° 2870/2000 (Alcoholic Strength in Beers & Spirits)
OIV-MA-VI-03 (volatile acidity content in vinegars)
OIV-MA-VI-03 (Residual Alcohol content in Vinegars)

Technical Characteristics

Structure Material	INOX Steel AISI 316
Glassware Material	Tempered and blown DURAN glass
Protection	vertical sliding transparent protection
system rapid and operational (one hand operation) for holding the glassware. It inhibits the distillation if the glassware is not present	
shower for washing the phial with flow regulation	
Magnetic filter at the inlet of the water for stopping heavy particles	
Power supply:	220VAC – 15A max
Functional Requirements for cooling water	Tmax:20°C Minimum pressure 1.5 bar Minimum flow 5 l/min
Dimensions (W x D x H):	310 x 500 x 1050 mm
Weight (SuperDEE)	41 Kg~

STANDARD EQUIPMENT (SuperDEE)
3 x 100 ml flasks
1 **x** 200 ml flask
2 x 300 ml conical flasks
1 x 500 ml wash bottle
1 x 100 ml bottle with dropping plug
3 dropping plastic pipettes
1 x Replacement cartridge for H_2O (demineralisation column)
Chemical Reagents

Subject to technical changes without notice.
All tools must be used exclusively for the purposes intended by the manufacturer and in accordance with the technical instructions.
They must not be used in potentially explosive atmospheres.
Any improper or incorrect use may pose a risk to the user, to people in the vicinity and to the environment.
All our instruments comply with EU Directive 2004/108 (electromagnetic compatibility)

For further information, visit **www.gibertini.com**