

EIM-PADS

(Ethanol Isotope Measurement – Preparation Automated Distillation System)

A Part of the EIM-IRMS Technology

Revolutionary Solution for Wine, Honey, Fruit Juice, Strong Spirits and Milk Testing and Authentication



The Missing Link in Isotope Analysis

EIM-PADS – Fully Automated System for Quantitative Ethanol Extraction

Isotope Lab Systems

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Specifications, terms and pricing are subject to change.

Please consult your local sales representative for details.

- EIM - PADS has been developed specially for laboratories that perform isotope analysis, e.g. EIM-IRMS (Ethanol Isotope Measurement - Isotope Ratio Mass Spectrometry) for the analysis of wine, fermented honey, fermented fruit juices, strong spirits, etc



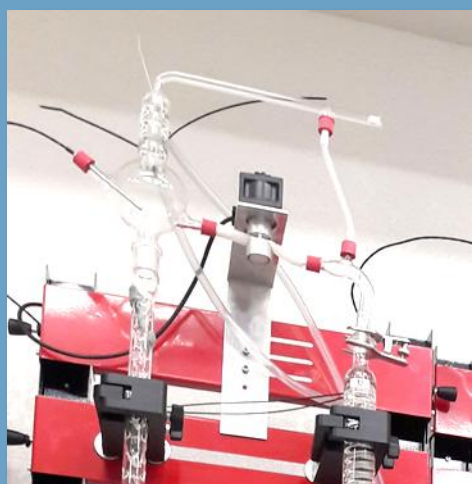
- EIM-PADS is controlled by the EIM9000 software and automatically distills wine, alcohol, fermented fruit juices, or fermented honey, and thus saves time and improves the accuracy of analysis and limits operator errors
- This leaves the operator free during the entire procedure, compared to the manual system which requires special attention all the time

EIM-PADS from 3 to 10 Distillation Units Includes:

- EIM9000 Software
- Heating mantles for round flasks of 500 mL (250 W each)
- Robust design Stainless Steel distillation unit frames
- Vertical lift automatic actuators with upper and lower sensors and platform for heating mantles
- Fully equipped Vigreux distillation columns with all glass parts and with temperature probes and open/close electro-valves
- Installation, parameter adjustment and configuration
- On-site software training



Details of vertical lift automatic actuator with platform for heating mantles



Details of electro-valve & temperature probe of an EIM - PADS

- The EIM 9000 software includes automated calculation of distillation yield
- A computer valve regulates the flow of distillate according to the temperature level
- Temperature level is recorded via a temperature sensor connected to a computer
- Further more computer regulates heater on-off switching in accordance with temperature level
- EIM - PADS gives repeatable more reliable results than manual distillation
- The average distillation yield is higher than 95 % for alcohol class over 92 %vol.
- Different versions are available, with the ability to control between 3 and 10 columns and possibility to choose the color of the EIM-PADS



○ Preconditions needed prior to installation of EIM - PADS:

- Tap water supply for cooling (for ex. water bath)
- Power supply 220 - 240 V, 50/60 Hz,
- UPS 2000 VA, 230 Vac, 50/60 Hz

○ Dimensions and Weight of one distillation unit:

- 500 x 400 x 1500 mm (w x d x h)
- 30 kg (net value)



Service And Warranty

We advance scientific development, enabling you to focus on your business endeavors



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