

Система экстракции растворителем по методам Сокслета и Рэндалла SX-6 TS

Технические характеристики

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SX-6

FAT EXTRACTOR

Accurate and cost-effective solvent extraction system for performing fat extraction analysis.

APPLICATIONS

- ✓ Fat extraction according to the Soxhlet method
- ✓ Fat extraction according to the Randall method
- ✓ Fat extraction according to the Twisselmann method
- ✓ Extraction of organic solutes



BENEFITS

✓ Designed to sustain many years of laboratory work, fabricated with excellent construction materials, featuring a stainless steel external building.

☰ Compatible with the Soxhlet, Randall and Twisselmann methods and a wide variety of samples.

📺 Multiple programs with icons and audiovisual signals make it easy to follow each phase and the status of the assay.

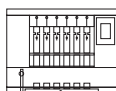
🕒 The solvent used, extraction temperature and duration of each stage can be programmed.

👁️ Constant supervision of flow rate.

📶 3,5" colour touchscreen and Wi-Fi connection for analysis of results on RAYPAnet.

6 Design with six simultaneous extraction positions.

SPECIFICATIONS



Reference	SX-6 TS
External dimensions L x D x H mm	680 x 330 x 580
Power W	1500
Voltage* V	230
Weight Kg	46
Frequency Hz	50/60
Reproducibility %	±1
Solvent recovery %	Up to 80
Accuracy °C	± 0,5
Maximum number of samples per test	6

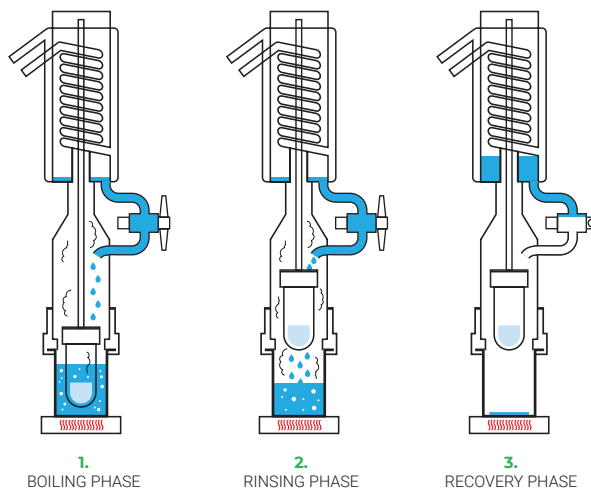
*Other voltages and electrical configurations available on request.

DESCRIPTION

- External housing made of AISI-304 stainless steel painted with epoxy resin.
- Heating by an electric plate with armoured heater for uniform heat distribution.
- 56 programs, whose names can be customized in terms of the solvent used, temperature and extraction times in the boiling, rinsing and recovery phases.
- The screen displays the phase and time remaining of each phase. The transition between phases is indicated audiovisually with specific animations.
- Includes solvent recovery tanks.
- Constant supervision of flow rate.
- A microprocessor controls the equipment which features a 3,5" LCD display and Wi-Fi connection for analysis of results on RAYPAnet.
- Manufactured to ensure compliance with AOAC, ISO, EPA and DIN international standards.
- Supplied with all necessary components, including extraction cartridges, Viton® and EDPM seals, racks, clamps and connection hoses.

OPERATION ACCORDING TO THE RANDALL METHOD

The sample is immersed in hot solvent, where the sample's fat content is continuously absorbed by the solvent through immersion and reflux. The sample is then lifted from contact with the condensed solvent. In this step, the fat content remaining in the sample is continuously removed by the solvent through reflux alone. Finally, the solvent tank valve is closed and the solvent is collected for future reuse. The fat content is collected at the bottom of the reaction beaker.



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