



Extraction Unit E-812 / E-816 SOX

Automate and accelerate your fat determination

Perform fat determination on two or six food and feed sample simultaneously at the push of a button. As the only automated real Soxhlet instrument, the E-812 / E-816 SOX is fully in accordance with officially approved methods. Time and cycle monitoring guarantee exhaustive Soxhlet extraction in shortest time.

Compliant without exception

Authentic Soxhlet extraction according to official norms



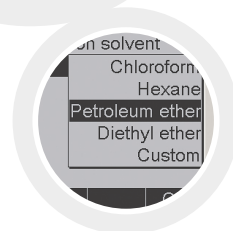
Convenient

Quick method selection and easy sample loading



Safe

Highest solvent recycling and user protection





Extraction Unit E-812 / E-816 SOX

Key features and advantages



SOX extraction chamber

Extraction Unit E-816 SOX
6 samples in one run



Extraction Unit E-812 SOX
2 samples in one run

«Due to the easy handling and high reproducibility of the BUCHI Soxhelt unit, we were able to significantly simplify our operation process of the fat content analysis.»
Chocolat Frey AG, Switzerland



Compliant Soxhlet extraction

Soxhlet extraction in full compliance with official methods for total fat determination in food and feed samples.



True Soxhlet extraction

BUCHI is the only provider of an authentic and automated Soxhlet extraction.



Sample level adjustment

Easy adjustment of the level detection sensor to the sample volume for increased throughput and efficiency of the Soxhlet cycle.



High speed heating

Ceramic surface with integrated individual heating zones. They ensure heat conductivity with immediate heat-up (< 5 min) for gentle drying and reliable results without fat alteration.



Solvent library

Choose the solvent from the library and the respective settings are loaded. Programming is accomplished by the push of a button.

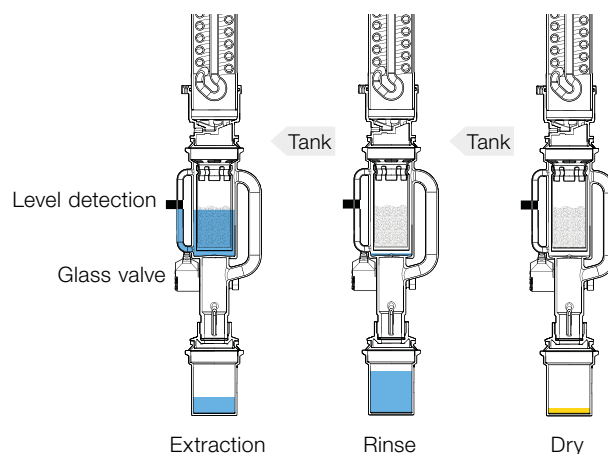


Solvent recovery rates >90%

Insulated tank with condenser ensures high solvent recovery rates. Unpleasant odor and solvent vapor emission are eliminated.

Compliant Soxhlet extraction

The compliant and patented concept of sample level detection allows for adjusting the solvent level according to the sample volume. In combination with the glass valve, it reduces the Soxhlet extraction time. In comparison to the glassware apparatus, this novelty results in higher sample throughput by 50%. The extraction process steps – extraction, rinsing, and drying - follow an automated workflow without supervision.



E-812 / E-816 SOX: Your most important benefits



Compliant without exception

- The SOX glass configuration is a fully compliant true Soxhlet apparatus
- Assured conformity for the declaration of total fat content according to AOAC and Weibull-Stoldt
- Achieve the best reproducibility thanks to time AND cycle monitoring



Convenient

- Quick and simple method selection thanks to intuitive solvent library
- Minimized operator intervention thanks to automated process steps and easy sample loading
- Convenient transfer of the hydrolyzed sample into the Soxhlet chamber with reusable glass sample tubes



Safe

- Excellent operator protection without any compromises on the supervision of the entire process
- Solvent emission is minimized thanks to z-seal-system and high performance condensers
- Optimal recycling as a result of a cooled solvent tank (recovery > 90 %)

Complete your portfolio



Hydrolysis Unit
E-416 / B-411
Safe and fast acid
digestion



Recirculating Chiller
F-305 / F-308 / F-314
The efficient and water
saving way of cooling



KjelMaster System
K-375 / K-376 / K-377
Steam distillation, titration
and auto sampling



NIRMaster™
IP54 / Pro IP65
FT-NIR spectroscopy

