



Extraction System B-811 / B-811 LSV

Four compliant and versatile extraction methods

The Extraction System B-811 / B-811 LSV enables you to running four different compliant extraction methods: Soxhlet, Soxhlet Warm, Hot Extraction and Continuous Flow. Ideal for demanding applications in residue and contaminant analysis. The B-811 is the most efficient, versatile and expandable extraction instrument.



Flexible and efficient

Select between four pre-defined extraction modes to optimize your process



Reliable

Reduce carry over effects and achieve inert conditions



Safe and compliant

Thorough supervision, user protection and compliance





Extraction System B-811 / B-811 LSV

Key features and advantages



Extraction System B-811



Extraction System B-811 LSV

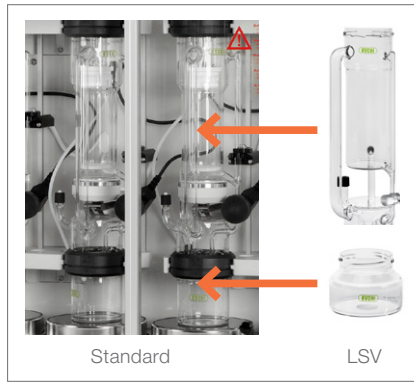
«The Extraction System B-811 makes sample preparation easier and quicker. The two benefits, time-savings and lower solvent consumption are obvious»

Doctor Liu Aiming, Laboratory Director of Sino-Japan Friendship Centre of Environmental Protection, China



Compliant Soxhlet extraction

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



Optimized sample size

The B-811 LSV with the larger sample volume allows for higher quantities to reach the required detection limit of the analyte. The main glass parts are expanded up to 60 %.



Sample level adjustment

Easy adjustment of the level detection sensor ① to the sample volume for increased throughput and efficiency of the Soxhlet cycle.



Wide application spectrum

Use high-boiling solvents of up to 150 °C thanks to two built-in heating sources per extraction location and optimal heat transfer.



Working under fully inert conditions

All components in contact with the sample are inert. Contamination of the sample is prevented as leaching of additives from sealing membranes is eliminated.



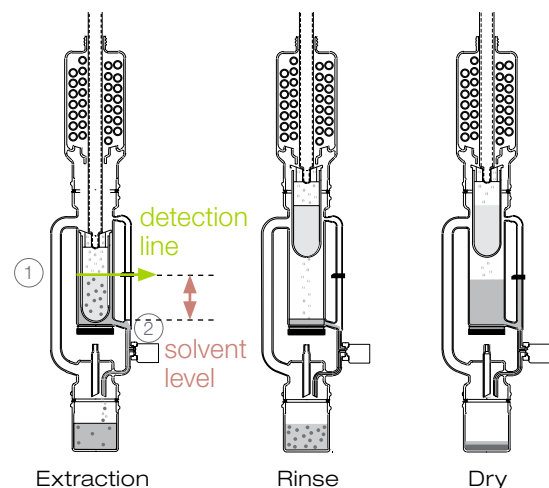
Higher safety standards

Complete tightness of joints and a protective shield guarantee excellent operator protection. Cooling water, level of solvent and heat source are monitored at any time.

Compliant and versatile extraction

The Extraction System B-811 features four different extraction methods: Soxhlet, Soxhlet Warm, Hot Extraction and Continuous Flow. Access these methods without any modifications of the glass setup.

The compliant and patented concept of sample level detection allows for adjusting the solvent level ① to the sample volume. In combination with the glass valve ②, it reduces the extraction time. The extraction process steps - extraction, rising, and drying - follow an automated workflow without supervision.



B-811 / B-811 LSV: Your most important benefits



Flexible and efficient

- Soxhlet, Soxhlet Warm, Hot Extraction and Continuous Flow are applicable on the same instrument
- Combine the benefits of Soxhlet and Hot Extraction (Randall) in one instrument
- Reach the required detection limit thanks to 60 % larger sample volume (LSV configuration)
- Compatible with many solvents and samples



Reliable

- Contamination free instrument thanks to autoclavable parts
- No scattering blank values thanks to elimination of residual effects
- Better recoveries by drying under inert gas



Safe and compliant

- Perfect observation of the process thanks to visible glass setup
- More than 90 % recycling yields thanks to high performance condenser
- Risk of burns reduced by effective shielding and heating control
- Full compliance achieved using the Soxhlet mode

Complete your portfolio



Mixer
B-400
Grinding and
homogenization



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



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



Syncore®
Analyst
Maximize multiple sam-
ple workup efficiency

