



SpeedExtractor E-914 / E-916

Speed and throughput combined

The SpeedExtractor is your best solution for fast Pressurized Solvent Extraction (PSE). Increase productivity by processing up to 6 samples in parallel. Streamline the workflow of your sample preparation thanks to ease of sample loading and ready-to-use extract collection.



Unrivaled throughput

Extract 6 samples in 30 min and free up your time for other tasks



Ease of operation

Automated sealing reduces operator intervention and increases process safety



Low running costs

Combine extract collection with evaporation, minimize solvent use and avoid costly consumable seals



SpeedExtractor E-914 / E-916

Key features and advantages



SpeedExtractor E-916

Extraction cell volume 10 - 40 mL



SpeedExtractor E-914

Extraction cell volume 40 - 120 mL

«Providing 6 parallel extractions and high speed, the E-916 makes our work in the laboratory easier and decreases our working pressure. Also, it is much easier to determine the optimum parameters for different extracts in a short time.»

Dr. Xie Wen Jun, position Director, Centre of Analytical Testing

Characteristics:



Parallel workflow for high throughput

Significantly increase throughput with the concerted parallel extraction and parallel evaporation. Full compatibility of the SpeedExtractor collection glassware with Syncore® Analyst and Multivapor™.



Automated sealing

The fail-safe and reliable extraction cells seal automatically using a unique sealing principle and guarantees reproducible results.



Extraction made easy

The operation of the SpeedExtractor E-914 / E-916 is easy and intuitive. Apply an established method at the push of a button and extract simultaneously to up to 6 samples.



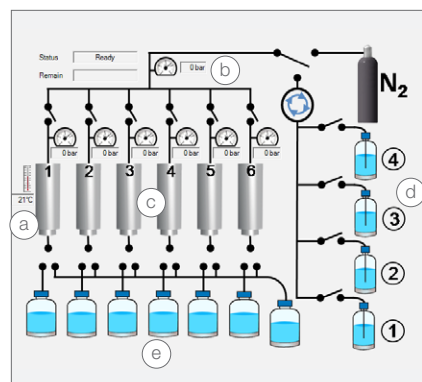
Highest flexibility

Extract your sample with optimized methods thanks to the flexible process parameters (30 - 200 °C; 50 - 150 bar) and the different extraction cells (E-916: 10, 20, 40 mL; E-914: 40, 80, 120 mL).



Reliable recording

SpeedExtractorRecord™ Software allows for managing and storage of methods, graphical visualization and documentation.

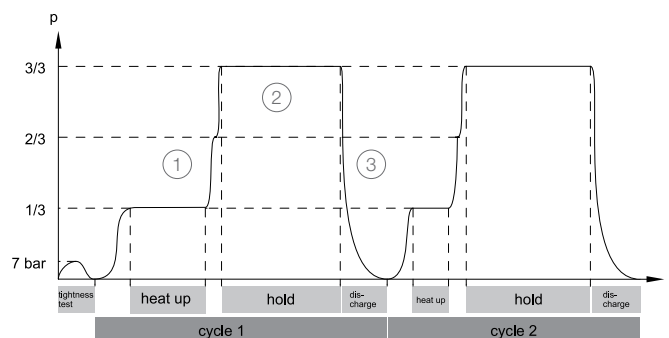


Wide application spectrum

The wide temperature (a) and pressure range (b), sample volumes from 1 to 120 mL (c) and the integrated mixer for up to 4 solvents (d) allow to extract reliably complex matrices with high recovery (e) of the analytes.

High speed and throughput

Pressurized solvent extraction decreases extraction time from hours to minutes. Elevated temperatures and pressure increase the extraction efficiency. The sample throughput is six times higher as opposed to a sequential approach. The extraction process is divided into different steps including heat-up (1), hold (2) and discharge (3), ensuring stable and reproducing extraction conditions.



E-914 / E-916: Your most important benefits



Unrivalled throughput

- 6 times faster than other PSE instruments thanks to parallel extraction concept
- Extract up to 96 samples in an 8 hour shift
- Accelerate the extraction process and facilitate final results within one working day
- Reduce number of replicates due to identical extraction conditions for up to 6 samples



Ease of operation

- Unique design of extraction cells allows for ease of sample loading and cell assembly
- High level of automation saves time-consuming preparation and increases safety
- Quick, fail-safe and reproducible operation due to assembly of only 4 sample cell parts
- The automated sealing eliminates sources of error and guarantees safety standard



Low running costs

- Complementary workflow and synergy with parallel evaporation and concentration
- Collection vessels with appendix make extract transfer obsolete
- Reduced solvent consumption and minimal need for consumables give lower running costs
- Save energy and costs with ECO mode for automated heater control

Complete your portfolio



**Syncore®
Analyst**

Maximize multiple
sample workup efficiency



**Multivapor™
P-6 / P-12**

Efficient evaporation
for multiple samples



**Rotavapor®
R-300**

Convenient and efficient
rotary evaporation



**Hydrolysis Unit
E-416 / B-411**

Safe and fast acid
digestion

