



ASPE Series

Automated Solid Phase Extractor

ASPE Series Automated Solid Phase Extractor is designed for the analysis of organic pollutants in water samples such as drinking water, tap water, water source, surface water, and sewage.

This product fully automates the preparation of large-volume water samples—handling everything from filtration and conditioning to elution and volume adjustment, for various water quality testing laboratories. The automated workflow requires no long-term supervision and avoids contact with toxic reagents for operators, which builds an intelligent and safe water sample pre-treatment laboratory.

Fully Automated Sample Preparation for Water Quality Analysis



Specifications	
Pump Type	Valveless Ceramic Pump
Sample Processing Capacity	6
Solvent Channel	8
Max. Loading Flow Rate	100 mL/min
Flow Rate Precision	≤±1.0% (1L sample loading completed in 100min under 10mL/min flow rate)
Sprinkle Rinsing	Automatic
Dehydration	Online
Drying Time	< 10 min
Drying Pressure	≥0-30 psi
SPE Cartridge	Compatible with 1mL, 3mL, 6mL, 12mL, and 20mL
SPE Disk	Compatible with 25mm and 47mm
IR Volume Determination	1 mL
Built-in Touchscreen	13 in
Dimensions	58x58x77 cm
Weight	80 kg
Power	600 W

Excellent Parallelism

Individual Pump System

- Synchronous Flow: Simultaneous processing for multiple samples with zero cross-interference.
- Uniform Conditions: Consistent instrument and environmental parameters across all samples.

Sealing by Plungers

- Air-Free Fluidics: Low-point sealing for internal air pockets, ensuring smooth, uninterrupted sample flow.
- Precise Flow Control: Strict regulation for uniform processing speeds across, regardless of varying sample conditions.

Effective Isolation from Environmental Factors

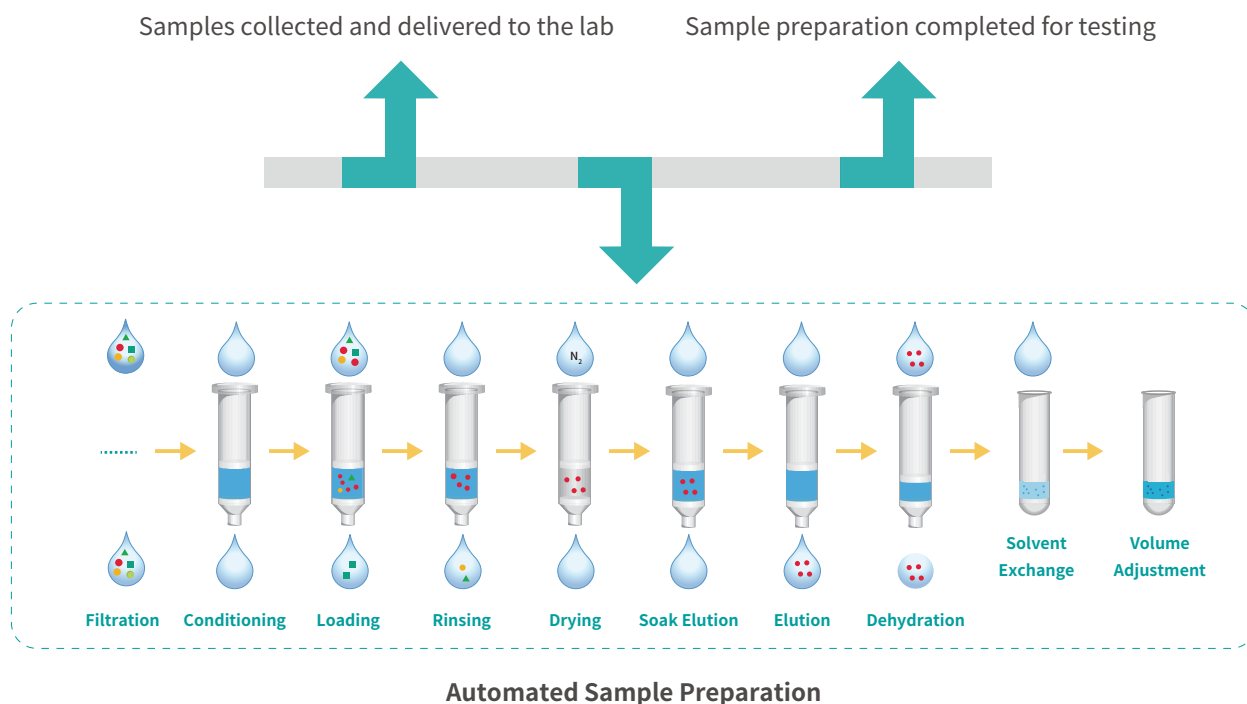
Enclosed Concentration Chamber

- Condensate Isolation: Prevention of moisture generated during rapid concentration under high-humidity lab conditions.

Light-Shielding Enclosure Design

- Light Shielding: Protection of light-sensitive samples from ambient light interference.

Improving Laboratory Efficiency by Automating Sample Preparation Workflow



Versatile Performance, Tailored for Water Analysis

Integrated Cartridge/Disk Design

- Compatible with different cartridge sizes such as 1mL, 3mL, 6mL, 12mL, and 20mL.
- Compatible with SPE membranes of 25mm and 47mm.
- Applicable to various water quality testing standards.

Integrated Dehydration by Anhydrous Na₂SO₄

- Compatible with commercial Anhydrous Na₂SO₄ columns.
- Automated water removal programmed into the workflow.

Solvent Exchange Function

- Seamlessly exchange solvents during concentration without manual intervention.
- Flexible selection and setting of solvents to be added.

Valveless Pump Design

- Accurate and stable flow control with higher reliability.
- Excellent chemical compatibility and resistance to various organic reagents.
- Higher pressure tolerance for complex sample processing.

Dual-Row Collection

- Capable of two row elution collection, empowering new method development.

Sprinkle Rinsing of Sample Bottle

- Automated inner wall rinsing to ensure total analyte recovery.
- Improved results for long-chain and high-boiling-point compounds.

Dedicated to be a leading supplier in smart laboratory



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