

Dual Drive Design:

Lower pressure pulsation for better stability



Enhance Your HPLC Automation:

Intelligent Mobile Phase Weighing Tray:

Real-time monitoring and alerts for mobile phase consumption.

Visualized Sampler Window:

Easy observation of sampling status.

Automated Sample Tray Recognition:

Ensures accurate sample injection, eliminating misalignment.

One-Button Auto Sample Compartment Door:

Streamlined convenience for effortless operation.



Optional Flow Switching Valve:

Allows precise control of multiple channels for advanced HPLC systems.

Optional Large Capacity Column Oven:

Allows for more columns to be used and replaced simultaneously.

Mobile Phase Pre-heating Function:

Guarantees consistent analysis results

Cooling Auto Sampler:

Keeps biological samples fresh.

Needle Sampler Mode with Configurable Multi-Channel Cleaning Options:

Reduces sampling time, minimizes cross-contamination, and conserves sample volume.

Reduces Pressure Pulsation and Improves Retention Time Consistency:

Enhances both HPLC and UHPLC analysis.

Automatic Real-Time Compression Factor Compensation:

Effectively corrects flow rate variations from different solvent compression factors after high-pressure gradient mixing.

Core Advantages



High Pressure Binary Gradient Pump

Includes solvent selection valve

Software Control: Fully automated sampler requires no manual intervention

Seal Wash: Improves salt tolerance and extends the lifespan of the plunger and seals.



Wide-Range Temp. Control: Distributed heating and Peltier cooling ensure a broad temperature range.

High Stability: Mobile phase pre-heating guarantees temperature accuracy.

High Capacity: Accommodates multiple columns of various sizes simultaneously.

Auto-Switching: Supports multiple valves for automated dual or multi-column switching.



High-Precision Autosampler

Designed to accommodate multiple sample plates for high-throughput capacity.

The needle-loading injection method eliminates cross-contamination with zero sample loss.

Additionally, powerful sample compartment cooling preserves sample freshness.



Horizontal Column Oven

Wide Temperature Range: Ensures excellent separation results and reproducibility.

Active Pre-heating: Mobile phase pre-heating enhances temperature accuracy and stability.

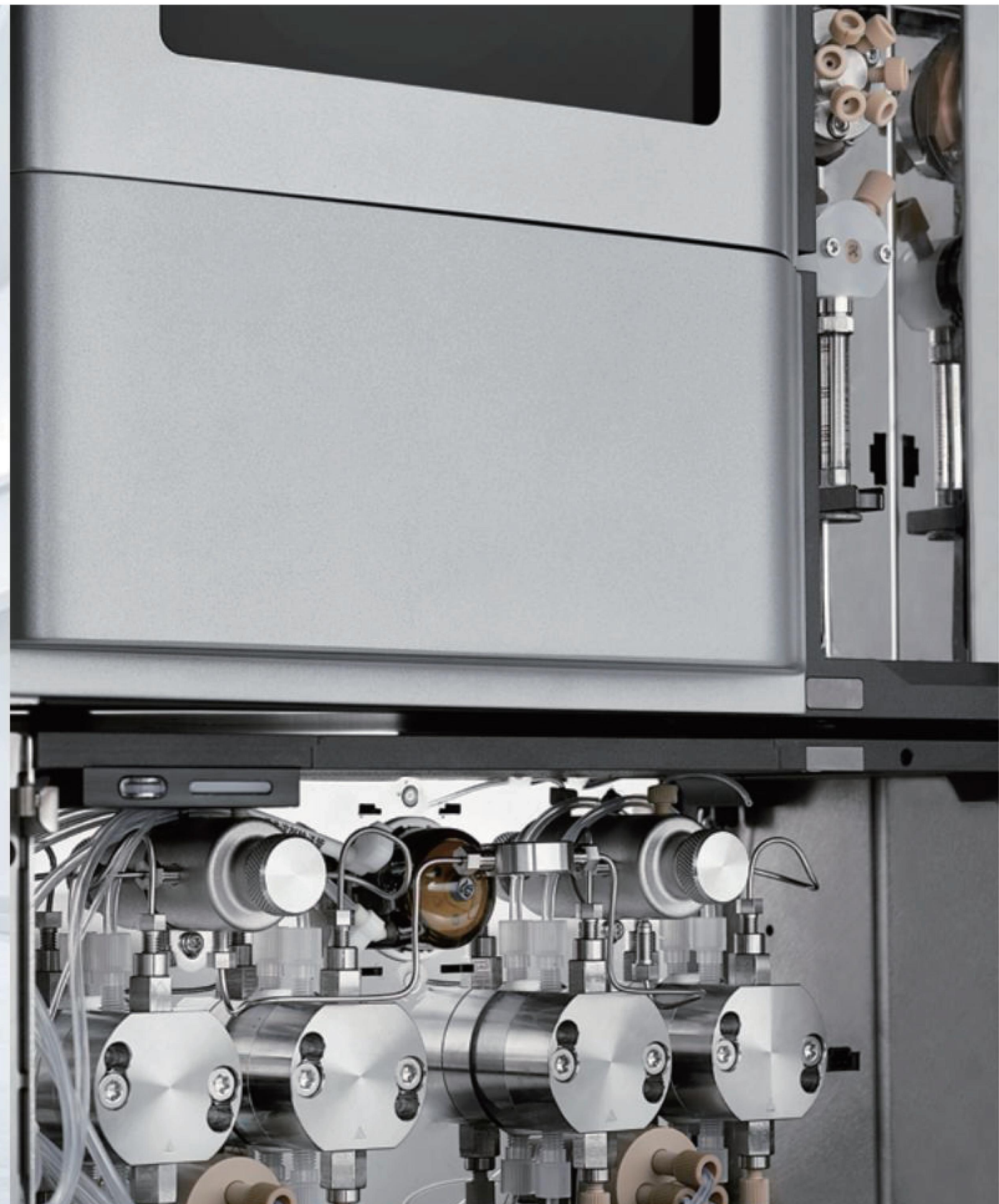


Optional Smart Weighing Tray: Accurately tracks solvent usage in real-time



Quick-Connect Design: Tool-free operation makes changing columns convenient.

HPLC/UPLC Systems



Detectors Compatibility

UV



PDA



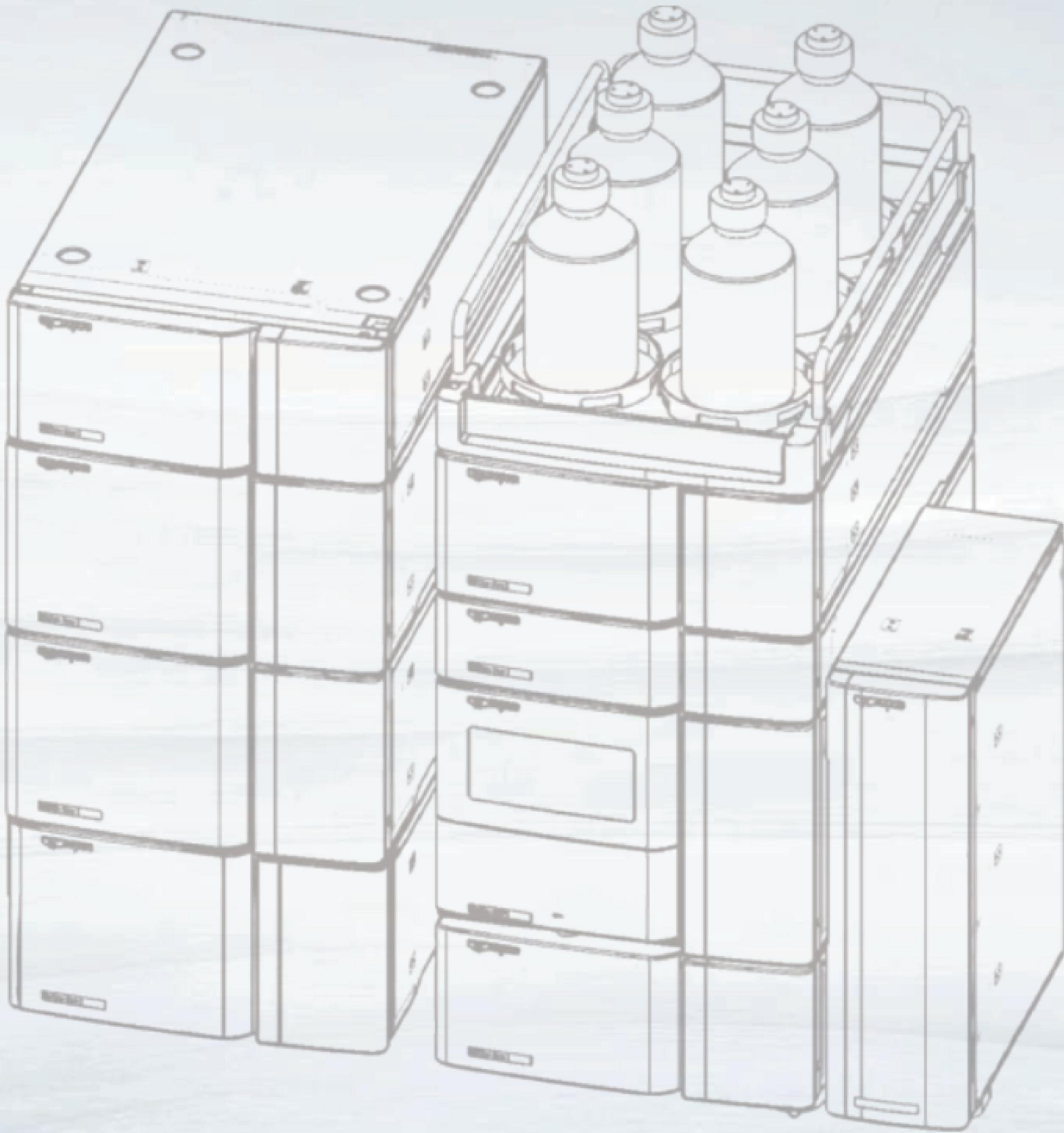
FLD



RID



ELSD



MS/MS Triple Quadrupole Mass



Designed for Your Needs

This system is perfect for fast analysis, offering high throughput and high efficiency. It's ideal for applications like synthetic biology, strain screening, two-dimensional chromatography, and testing in environmental and law enforcement fields.



High-Throughput
HPLC System



Online SPE HPLC System

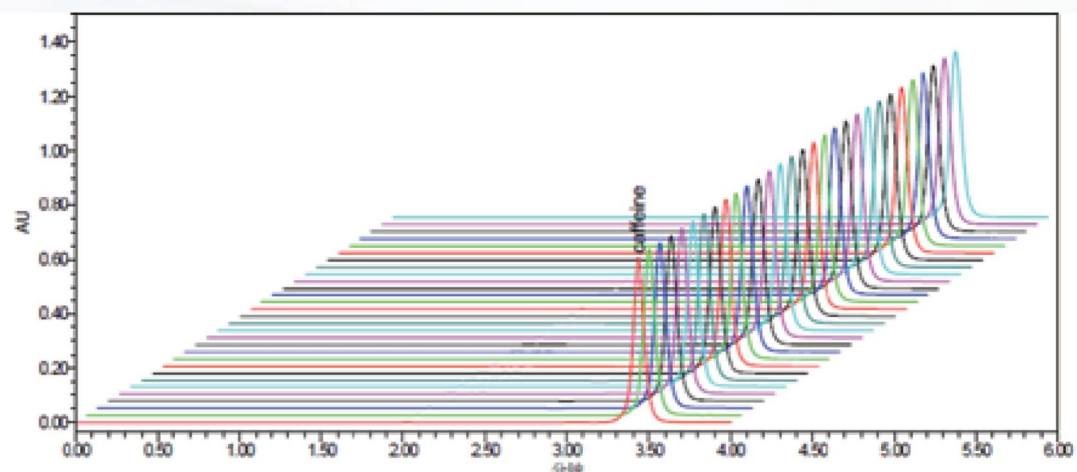
Excellent Reproducibility

Continuous sampling results for 30 injections of caffeine:

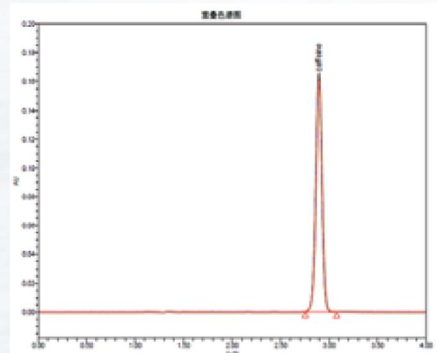
Retention Time Reproducibility: 0.039% RSD

Peak Area Reproducibility: 0.107% RSD

Peak Height Reproducibility: 0.283% RSD



Online Mixed Sample Results for 9 Injections:
Retention Time Deviation: 0.068% RSD
Peak Area Reproducibility: 0.1294% RSD



HPLC Software

English Graphical Interface Software

Real-Time Monitoring

It shows analysis status instantly. It also tracks replaceable parts and checks their condition continuously.

Full audit trails and electronic signatures to comply with 21 CFR Part 11 and FDA compliance.

Easy importing and exporting of methods for data management.

Flexible Report Templates with Automatic Report Creation

Application

It provides professional and customized solutions for users in various fields, including education and research, pharmaceutical analysis, biotechnology, environmental protection, and government law enforcement.



Academic Research



Pharmaceutical



Biopharmaceutical



Environmental



Forensic

Reference

Top Performer in HPLC Narcotics Analysis

We have helped over 30 competitor organizations using our HPLC analysis, with more than 50,000 tests done each year. Our system helps these competitors become the best in drug analysis during contests run by the national police anti-drug department.



Dual Injector Configuration

The dual injector setup makes it easy to switch between large volume injections and low volume analysis methods automatically.



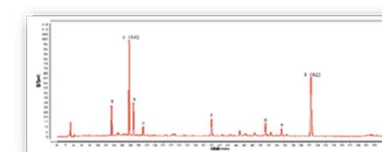
Online SPE HPLC System

High-Volume Sample Injector

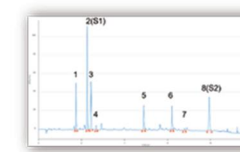
Column Auto Switching

Low-Volume Sample Injector

Fast Analysis



Reference Method 78Minutes



New Method 8.89 Minutes, save 70 minutes