



Agilent 1200 Series Quaternary LC System

Ideal multi-solvent gradient system

The Agilent 1200 Series quaternary gradient system offers the greatest flexibility for solvent selection and automation in method development, research and all applications requiring continuous access to a wide range of solvent choices.

The ability to switch rapidly between methods using different solvents and the capability of using binary, ternary or quaternary solvent gradients make the Agilent 1200 Series quaternary system the most flexible system on the market. In combination with any of the Agilent 1200 Series autosamplers, the Agilent 1200 Series quaternary system is ideally suited for multi-method, high-throughput workflows.

Upgradeable to meet your changing needs

The modular design of the Agilent 1200 Series quaternary system means that you can enhance the performance of your system to meet future requirements with the addition of any other Agilent 1200 Series module.

Features and benefits

- Convenient front access to all maintenance parts for quick replacement without disassembling instrument
- Early Maintenance Feedback (EMF) continuously tracks long-term instrument usage with pre-defined limits and feedback message if limit is exceeded
- Built-in self-test routines, logbooks and preprogrammed test methods help identify problems fast
- Instructions for installation, performance verification, operation, preventive maintenance and system suitability testing are supplied in printed form and on CD-ROM with video tutorials for typical maintenance procedures
- Full programming capability, such as intelligent method sequencing which includes built-in shutdown methods to help reduce solvent costs and prolong column lifetime



Agilent 1200 Series Quaternary LC System Configurations

Configurations to meet your application and performance requirements

The Agilent 1200 Series quaternary LC system can be ordered in various configurations to meet different application and performance needs.

Two configurations are described which span the full performance and functionality range of the Agilent 1200 Series quaternary system. Whatever system configuration is chosen as a starting point, the modular, scalable and open system architecture of the Agilent 1200 Series quaternary system allows future expandability and adaptability to other configurations and applications.

Please contact your local sales representative for more detailed information and further advice.

Options that complement your configuration

- Control module: Agilent 1200 Series instant pilot
- Software: ChemStation Plus, EZChrom Elite, Cerity for Pharmaceutical QA/QC
- Detectors: Agilent 1200 Series MSD, Agilent 6000 Series MSD, Agilent 1200 Series detectors
- Sample capacity: Agilent 1200 Series sample capacity extension
- Columns: ZORBAX columns

Agilent 1200 Series quaternary LC system configuration examples

Configuration 1

A cost effective configuration with manual injector and variable wavelength UV-visible detection when you require the most flexibility for solvent selection in method development, research and all applications requiring continuous access to a wide range of solvent choices.

- Agilent 1200 Series quaternary pump with micro vacuum degasser G1354A
- Agilent 1200 Series manual injector G1328A
- Agilent 1200 Series variable wavelength detector G1314B
- Standard flow cell for Agilent 1200 Series variable wavelength detector, 10 mm pathlength, 14 μ L volume, pressure tight to 40 bar, G1314B#18

Configuration 2

The most flexible configuration when you require routine multi-solvent capabilities and automation for method development, research and all applications requiring continuous access to a wide range of solvent choices with multi-wavelength and full spectral UV-visible detection for peak purity analysis and spectral confirmation.

- Agilent 1200 Series quaternary pump with micro vacuum degasser G1354A
- Agilent 1200 Series autosampler G1329A
- Agilent 1200 Series thermostatted column compartment G1316A
- Agilent 1200 Series diode array detector SL G1315B
- Standard flow cell for Agilent 1200 Series diode array detector SL, 10 mm pathlength, 13 μ L volume, pressure tight to 120 bar, G1315B #18

Agilent 1200 Series instant pilot

The instant pilot provides enhanced readability with a high resolution, high contrast, color display, now twice the size of the previous display. All chromatographic signals and instrument parameters can be plotted simultaneously on the display using different colors.

- Cost-effective, standalone solution for single instrument control
- Full instrument control and display of the online signal



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