



Agilent 1260 Infinity Standard Autosampler

Features and Specifications



Reliability and Ease of Use

The Agilent 1260 Infinity Standard Autosampler is designed for the reliability, safety, and ease-of-use needed in pharmaceutical routine tasks and quality control, as well as for environmental and food analyses. It can be upgraded from non-thermostatted version to thermostatted version by adding the Agilent 1290 Infinity Thermostat.

Features

- Reliable injections from 0.1 μL to 100 μL .
- Easy adaption for injection volumes up to 1500 μL for applications ranging from microbore to semipreparative chromatography.
- Low internal volume of 300 μL for the minimum contribution to a system's total internal volume can be even further reduced using "by-pass" mode.
- Overlapped injections for increased productivity.
- Peltier temperature control from 4 to 40 $^{\circ}\text{C}$ for up to 100 2-mL vials containing thermally labile samples (upgrade from non-thermostatted to thermostatted version possible).



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Specifications – Agilent 1260 Infinity Standard Autosampler

Specifications for 1260 Infinity Standard Autosampler Valid with standard 100 µL metering head installed	
Injection range	0.1- 100 µL in 0.1 µL increments Up to 1500 µL with multiple draw (hardware modification required)
Precision	<0.25% RSD from 5-100 µL, <1% from 1-5 µL, variable volume
Sample viscosity range	0.2 - 5 cp
Sample capacity	100 x 2-mL vials in 1 tray 40 x 2-mL vials in 1/2 tray 15 x 6-mL vials in 1/2 tray (Agilent vials only)
Injection cycle time	Typically 50 s depending on draw speed and injection volume
Carryover	Typically < 0.1 %, < 0.05 % with external needle cleaning
Pressure operating range	Up to 600 bar (60 MPa or 8702 psi)

Specifications for 1260 Infinity Standard Autosampler Valid with standard 900 µL metering head installed	
Injection range	0.1 - 900 µL in 0.1 µL increments (recommended 1 µL increments) Up to 1800 µL with multiple draw (hardware modification required)
Precision	Typically < 0.5 % RSD of peak areas from 5 - 2000 µL Typically < 1 % RSD of peak areas from 2000 - 5000 µL Typically < 3 % RSD of peak areas from 1 - 5 µL Variable volume
Sample viscosity range	0.2 - 5 cp
Sample capacity	100 x 2-mL vials in 1 tray 40 x 2-mL vials in 1/2 tray 15 x 6-mL vials in 1/2 tray (Agilent vials only).
Injection cycle time	Typically 50 s depending on draw speed and injection volume
Carryover	Typically < 0.1 %, < 0.05 % with external needle cleaning
Pressure operating range	Up to 200 bar (20 MPa or 2901 psi)