



Agilent 1290 Infinity LC Injector HTC/HTS

Features, Specifications and Ordering Details



High throughput with lowest carryover

The Agilent 1290 Infinity LC Injector HTC/HTS is designed specifically to meet the throughput and reliability demands of critical LC/MS applications, offering lowest carryover with dynamic load and wash (DLW) principle. This highly versatile system is optimized for high throughput injections, and perfectly complements the infinitely better speed, resolution and sensitivity of the Agilent 1290 Infinity LC system.

Features

- Proprietary 1200 bar valve for more robust UHPLC analysis—available exclusively from Agilent
- Near zero carryover with the new dynamic load and wash principle (DLW)
- Improved cycle time with faster robotics and washing mechanism
- High sample capacity for up to 24 cooled well plates
- Infinite compatibility with easy control and data handling through Agilent ChemStation, Agilent MassHunter workstation, Agilent EZChrom and Agilent OpenLab software
- Temperature-controlled sample storage to keep samples cool and prevent degradation



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Specifications – 1290 Infinity LC Injector HTC/HTS

System type:	XYZ robot with syringe-only concept, no tubing in sample path
Syringe size:	100 µL
LC injector:	1 electrically actuated fast switching 6-port valve from Rheodyne (1200 bar)
HTC sample capacity:	<ul style="list-style-type: none"> • Up to 24 shallow well-plates (96 or 384) • Up to 12 deep well-plates (96 or 384), or 648 2-mL vials • Up to 12 shallow well-plates (96 or 384), thermostatted • Up to 6 deep well-plates (96 or 384), or 324 2-mL vials, thermostatted
HTS sample capacity:	<ul style="list-style-type: none"> • Up to 24 shallow well-plates (96 or 384) • Up to 18 deep well-plates (96 or 384), or 972 2-mL vials • Up to 12 deep well-plates (96 or 384), or 648 2-mL vials, thermostatted
Needle, syringe valve cleaning:	Dynamic load and wash (DLW) principle: two different solvents
Local control:	Handheld control panel with 4 function keys, graphical LCD display
Electronic control:	<ul style="list-style-type: none"> • 2 RS232C ports • 3 TTL inputs • 1 opto-coupler input • 2 relay outputs

Ordering Details – 1290 Infinity LC Injector HTC/HTS

Description	Product Number
Systems	
Agilent 1290 Infinity LC Injector HTS Provides capacity for up to 24 well plates with cooling. Offers the dynamic load and wash principle with 100 µL syringe, 2 µL loop, proprietary 1200 bar valve, and driver (ICC). Width HTS: 80 cm.	G4277A
Agilent 1290 Infinity LC Injector HTC Provides capacity for up to 12 well plates with cooling or up to 24 well plates without cooling. Offers the dynamic load and wash principle with 100 µL syringe, 2 µL loop, proprietary 1200 bar valve, and driver (ICC). Width HTC: 50 cm	G4278A

Description	Product Number
Stand-alone sample stacks and tray holder	
Agilent PAL Stack 12 MTP	G4270-60001
Agilent PAL Stack 6 DW	G4270-60002
Agilent PAL Stack 12 MTP cooled	G4270-60003
Agilent PAL Stack 6 DW cooled	G4270-60004
Agilent tray holder for 4 well plates	G4270-60005

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