



Agilent 1290 Infinity Flexible Cube

Features, Specifications and Ordering Details



Absolute lowest carry-over

The Agilent 1290 Infinity Flexible Cube is an auxiliary module for the 1290 Infinity Autosampler with a built-in pump and valves to facilitate enhanced flushing capabilities. With access to three solvents you can flush critical parts of the flow path at high flow rates. Automated back-flushing of the injection needle-seat achieves absolute lowest sample carryover, eliminating resource and time-consuming carryover reduction procedures during LC and LC/MS assay development. Up to two Agilent Quick-Change valves with ultrahigh pressure valve heads can be controlled independently for demanding valve-switching applications (available later in 2010).

Features

- Typically <10 ppm (0.001 %) instrument related carry-over in UV and MS analysis
- Guaranteed long-term low carry-over
- Support of Agilent QuickChange valves
- Generic valve applications (available later in 2010!)
- Supported by Agilent chromatographic data systems and 3rd party data systems with the Agilent Instrument Control Framework (ICF)



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Specifications – Agilent 1290 Infinity Flexible Cube

Agilent 1290 Infinity Flexible Cube Specifications (in combination with Agilent 1290 Infinity Autosampler)	
Carry Over (UV and MS):	Typically < 0.0010% (10 ppm)
Number of solvents:	Up to 3 solvents
Pressure range of flush pump:	Up to 50 bar
Flow rate of flush pump:	Up to 4 mL/min
Precision:	Precision of 1290 Infinity Autosampler (G4226A) will not be influenced
Accuracy:	Accuracy of 1290 Infinity Autosampler (G4226A) will not be influenced
Flush time:	Selectable flush-times. Number of solvents for flushing selectable. Needle seat flush time to flush with 1 mL of solvent including solvent exchange: 38 s, in parallel to running analysis.

Ordering Details – Agilent 1290 Infinity Flexible Cube

The Agilent 1290 Infinity Flexible Cube is currently only supported as an addition to the Agilent 1290 Infinity Autosampler. The use for any generic valve applications as a stand-alone device will be supported later in 2010.

Description	Product Number
Agilent 1290 Infinity Flexible Cube Includes integrated flush pump, solvent selection valve and one QuickChange valve drive and all parts for needle seat back-flushing applications	G4227A
Agilent 1290 Infinity Autosampler Must be present in the system.	G4226A
Optional Flex Loop Kit, 40 µL To increase the maximum draw volume of the Autosampler	5067-4703

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Published in USA, July 1, 2010
Publication Number 5990-6127EN



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