Agilent

Autosampler / Vailsampler

Equipment Name	Autosampler / Vialsampler
Master Model	G7129B
Derived Model	G7129A, G7129C

The following table lists all the Derived Model Numbers associated with this application and a brief description of the differences (changes).

Model name	**Base Model: Description / Changes**
G7129B	Agilent Vialsampler is designed for UHPLC applications up to 1300 bar, 10ml/min
Model name	**Derived Model: Description / Changes**
G7129A	Agilent Autosampler is designed for applications up to 600 bar, 10ml/min
G7129C	Agilent Vialsampler is designed for UHPLC applications up to 800 bar, 10ml/min

UHPLC = Ultra High Pressure Liquid Chromatography – Pressure 1300bar, 800bar
Autosampler / Vialsampler are synonyms. “Preparative” was added to indicate the higher flow rate of 200ml/min
The detailed differences between each model are described on page 7.

Description of the differences:

The listed products are electrically identical with only differences in maximum system pressure and maximum flow [ml/min].
Below a table with details of differences per model:

Decription	Master model: G7129B	Derived model: G7129A	Derived model: G7129C
Max pressure	1300bar	600bar	800bar
Antennas	2 Column Tag Reader	2 Column Tag Reader	2 Column Tag Reader
Radio Unit	Column Tag Reader Board: 2 RFID Readers on upgrade kit column identification	Use same board as G7129B for upgrade kit column identification	Use same board as G7129B for upgrade kit column identification
Electronics (Note 1)	HITAG reader chip conducted output power 26.81dBm @ 125kHz	Use same board as G7129B for accessory	Use same board as G7129B for accessory
Reporting	G7129B	G7129A	G7129C

itself			

G7129A / G7129B / G7129C / G7157A are identical except the solvent selection valves in the hydraulic path:

- G7129B solvent selection valve for system pressure up to 1300bar, 10ml/min
- G7129C solvent selection valve for system pressure up to 800bar, 10ml/min

Same solvent selection valve. Difference is the different spring tensioning and seal material inside the valve head. Spring tension and seal material (vespel, peek) do not have any influence on the EMC characteristic.

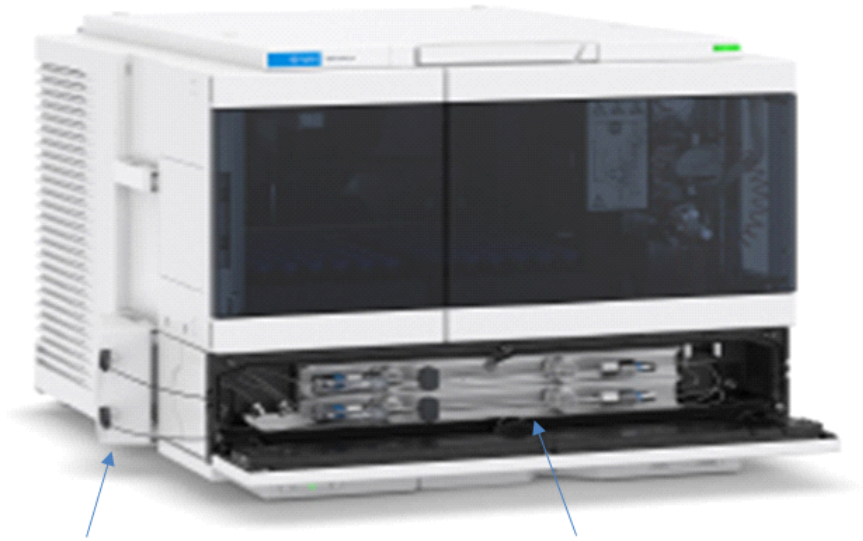
- G7129A solvent selection valve for system pressure up to 600bar, 10ml/min
- G7157A solvent selection valve for system pressure up to 600bar, 200ml/min

Same solvent selection valve: Different is the inner diameter of the groves inside the valve head to realize the different maximum flow rate. The groove diameter inside the valve do not have any influence on the EMC characteristic.

All valves are driven by a stepper motor connected to the same electronic driver circuit. Therefore, the different valve is of no relevance to the EMC characteristic of the module.

Note 1: Derived models which are identical to the master model referred to in this declaration with regard to EMC and radio frequency emissions.

Autosampler / Vialsampler



Upgrade kit column identification ICC Integrated Column Compartment (ICC)
Both are orderable options for base model and the derivates.