

## Performance Specifications

**Table 3** Performance Specifications Thermostatted Column Compartment

Type	Specification	Comments
Temperature range	10 degrees below ambient to 80 °C	G1316A
	10 degrees below ambient to 100 °C	G1316B (SL)/G1316C (SL Plus)
	up to 80 °C: flow rates up to 5 ml/min up to 100 °C: flow rates up to 2.5 ml/min	G1316A/G1316B (SL)/G1316C (SL Plus) G1316B (SL)/G1316C (SL Plus)
Temperature stability	± 0.15 °C	G1316A
	± 0.05 °C	G1316B (SL)/G1316C (SL Plus)
Temperature accuracy	± 0.8 °C	With calibration
	± 0.5 °C	
Column capacity	Three 30 cm	
Warm-up/cool-down time	5 minutes from ambient to 40 °C	
	10 minutes from 40 – 20 °C	
Dead volume	3 µl left heat exchanger	i.d. 0.17 mm, see <a href="#">“Extended Specifications on G1316B SL/G1316C SL Plus”</a> on page 30
	6 µl right heat exchanger	
Communications	Controller-area network (CAN), GPIB, RS-232C, APG Remote: ready, start, stop and shut-down signals, LAN via other 1200 series module	no GPIB on G1316B (SL)/G1316C (SL Plus)
Safety and maintenance	Extensive diagnostics, error detection and display (through control module and Agilent ChemStation), leak detection, safe leak handling, leak output signal for shutdown of pumping system. Low voltages in major maintenance areas.	

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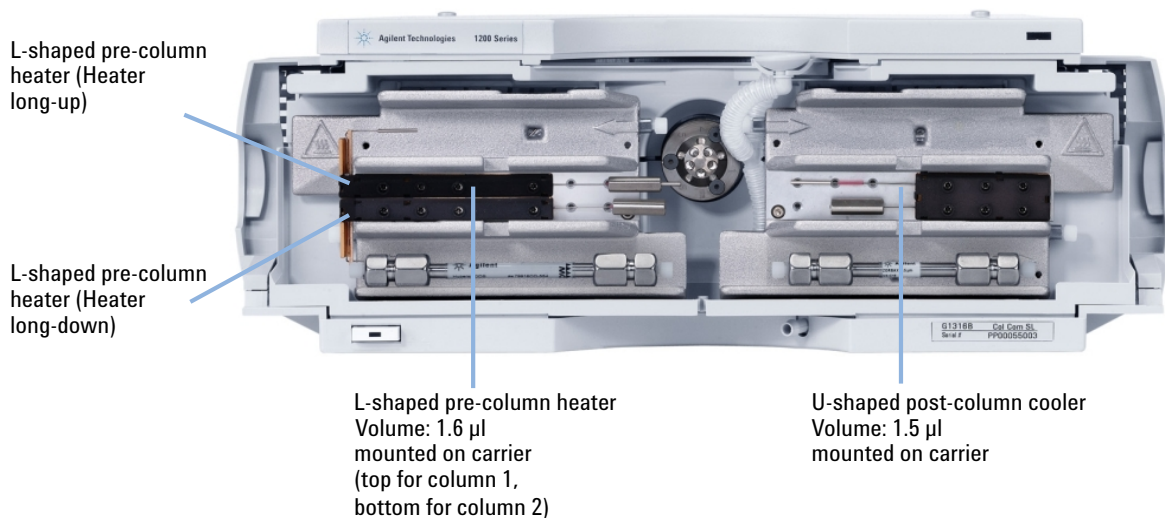
Type	Specification	Comments
GLP features	Column-identification module for GLP documentation of column type, see <a href="#">“Column-Identification System”</a> on page 13	
Housing	All materials recyclable.	

**NOTE**

All specifications are valid for distilled water at ambient temperature (25 °C), set point at 40 °C and a flow range from 0.2–5 ml/min.

## Extended Specifications on G1316B SL/G1316C SL Plus

The 1200 series G1316B SL/G1316C SL Plus thermostatted column compartment is usable from 10 °C below ambient up to 80 °C for flow ranges up to 5 ml/min and up to 100 °C for flow ranges up to 2.5 ml/min. Additional heating and cooling devices are available for the G1316B SL/G1316C SL Plus to reduce the risk of additional dispersion at low flow rates see [Figure 8](#) on page 30. These devices can be installed in any position in the column compartment, see “[Installation of Heater and Cooling Devices \(G1316B SL\)](#)” on page 47.



**Figure 8** New additional heater and cooling devices

The standard column compartment is equipped with a 3 µl and 6 µl heater or cooler. Both can be set at the same or different temperature. To reduce the delay volume, a kit (“[G1316B SL/G1316C SL Plus Capillary System Kit](#)” on page 104) has been set up for installing a small heaters with 1.6 µl internal delay volume and also a new cooling device with 1.5 µl internal volume is available.