

## Physical Specifications G7116A

**Table 2** Physical Specifications G7116A

Type	Specification	Comments
Weight	12.5 kg (27.6 lbs)	
Dimensions (height x width x depth)	160 x 435 x 436 mm (6.3 x 17.1 x 17.2 inches) Width with column identification kit: 460 mm	G7116A only has a Column ID tag reader on the left hand side.
Line voltage	100 – 240 V~, ± 10 %	Wide-ranging capability
Line frequency	50 or 60 Hz, ± 5 %	
Power consumption	150 VA, 150 W	
Ambient operating temperature	4–55 °C (39–131 °F)	
Ambient non-operating temperature	-40 – 70 °C (-40 – 158 °F)	
Humidity	< 95 % r.h. at 40 °C (104 °F)	Non-condensing
Operating altitude	Up to 3000 m (9842 ft)	
Safety standards: IEC, EN, CSA, UL	Overvoltage category II, Pollution degree 2	For indoor use only
ISM Classification	ISM Group 1 Class B	According to CISPR 11

## Performance Specifications G7116A

**Table 4** Performance Specifications G7116A

Type	Specification	Comments
Operating principle	Thermostatted column compartment with dual, independent Peltier-element. Solvent pre-heating and still-air operation for reduction of chromatographic band-broadening under UHPLC-conditions.	
Temperature range	10 °C below ambient (minimum 4 °C) to 85 °C	1
Temperature range increment	Settable in steps of 0.1 °C	1
Temperature stability	±0.1 °C	1
Temperature accuracy	±0.5 °C (with calibration at 40 °C)	1
Temperature precision	0.05 °C	1
Independent temperature zones	2 in single device	
Column capacity	4 columns of up to 300 mm length plus InfinityLab Quick Connect fittings or pre-column. The number of pre-column Quick Connect Heat Exchangers is scalable - each column can be equipped with an individual heat exchanger for best performance. 4-column selector valve is available to access each column without replumbing.	
Heat-up/cool-down time	5 min from ambient to 40 °C 10 min from 40 °C to 20 °C <25 min from 25 °C to 85 °C	1
Solvent heat exchangers	Individually quick-installable for every column. Available at 3 µL internal volume, 0.17 mm i.d. capillary (large ID), 6 µL internal volume, 0.17 mm i.d. capillary (large ID high flow) and 9 µL internal volume, 0.17 mm i.d. capillary (bio-inert, metal-free).	
Valve options	1 x integrated valve drive as option to host user-exchangeable Quick Change valve heads (up to 800 bar) of different formats: 2-position/6-port, 2-position/10-port, 4-column selection (4-position/10-port). Also available in bio-inert materials. Valve heads are automatically identified by their RFID tag.	

**Table 4 Performance Specifications G7116A**

Type	Specification	Comments
Column identification	Optionally, column identification kit to track history of up to four columns. Mounted on the left hand-side of module.	
Instrument control	LC and CE Drivers A.02.14 or above. Agilent Instant Pilot (G4208A) B.02.20 or above. InfinityLab LC Companion (G7108A) 1.1 or above. Lab Advisor B.02.08 or above.	For details about supported software versions refer to the compatibility matrix of your version of the LC & CE Drivers
Communication	Controller Area Network (CAN)	G7116A is a hosted module. (The LC stack needs to contain suitable host module or a LAN card for communication and control).
Maintenance and safety-related features	Extensive diagnostics, error detection and display (through Instant Pilot control module and Agilent Lab Advisor), leak detection, safe leak handling, leak output signal for shutdown of pumping system. Low voltages in major maintenance areas.	
GLP features	Valve heads carrying tags with serial number, pressure rating, number of switches and valve type. Concept of column identification.	
Housing	All materials recyclable.	

<sup>1</sup> All specifications are valid for distilled water at ambient temperature (25 °C), set point at 40 °C and a stable flow range from 0.2 - 5 mL/min. Equilibration time: 10 min.