



Thank you for purchasing Agilent 1260 Infinity Purification Solution. To get you started and to assure a successful and timely installation, please refer to this specification or set of requirements.

Correct site preparation is the key first step in ensuring that your instruments and software systems operate reliably over an extended lifetime. This document is an information guide AND checklist prepared for you that outlines the supplies, consumables, space and utility requirements for your equipment.

Customer Responsibilities

Make sure your site meets the following prior to the installation date using the checklist below. For details, see specific sections within this document, including:

- The necessary laboratory or bench space is available.
- The environmental conditions for the lab as well as laboratory gases, tubing.
- The power requirements related to the product (e.g. number & location of electrical outlets).
- The required operating supplies necessary for the product and installation.
- Please consult Other/Special Requirements section below for other product-specific information.
- If Agilent is delivering installation and familiarization services, users of the instrument should be present throughout these services; otherwise, they will miss important operational, maintenance and safety information.

Important Customer Information

- If you have questions or problems in providing anything described as **Customer Responsibilities** above, please contact your local Agilent or partner support/service organization for assistance prior to delivery. In addition, Agilent and/or its partners reserve the right to reschedule the installation dependent upon the readiness of your laboratory.
- Should your site not be ready for whatever reasons, please contact Agilent as soon as possible to re-arrange any services that have been purchased.
- Other optional services such as additional training and consultation for user-specific applications may also be provided at the time of installation when ordered with the system, but should be contracted separately.
- If applicable, the Network Assessment Tool can be used to verify the network environment.



Module List

Module	Instrument Description
G1170A	1290 Infinity Valve Drive and Valve Heads
G1310B	1260 Infinity Isocratic Pump
G1311B	1260 Infinity Quaternary Pump
G1315C	1260 Infinity Diode Array Detector VL+
G1315D	1260 Infinity Diode Array Detector VL
G1361A	1260 Infinity Preparative Pump
G1364B	1260 Infinity Preperative-scale Fraction Collector
G1365C	1260 Infinity Multiple Wavelength Detector
G1365D	1260 Infinity Multiple Wavelength Detector VL
G1390B	1200 Infinity Series Universal Interface Box
G1391A	1260 Preparative Pump Gradient Extension
G1968F	Active Splitter
G2258A	1260 Infinity Dual-Loop Autosampler
G6120B	Agilent 6120 Single Quadrupole LC/MS
G6130B	Agilent 6130 Single Quadrupole LC/MS
G7110B	1260 Infinity II Isocratic Pump
G7111B	1260 Infinity II Quaternary Pump
G7114A	1260 Infinity II Variable Wavelength Detector
G7115A	1260 Infinity II Diode Array Detector
G7159B	1290 Infinity II Preparative Open-Bed Fraction Collector
G7165A	1260 Infinity II Multiple Wavelength Detector



Dimensions and Weight



Identify the laboratory bench space before your system arrives based on the table below. Pay special attention to the **total height and total weight requirements for all system components you have ordered and avoid bench space with overhanging shelves**. Also pay special attention to the total weight of the modules you have ordered to ensure your laboratory bench can support this weight.

Table 1 Dimension and Weight Specifications - for Agilent 1260 Infinity Purification Solution

Module	Specification (height × width × depth)	Weight
G1310A	180 × 345 × 435 mm	11 kg
G1361A/G1391A	200 × 345 × 440 mm	15 kg
G2258A	200 × 345 × 440 mm	14 kg
G1315C	140 × 345 × 435 mm	11.5 kg
G1364B	200 × 345 × 440 mm	13.5 kg
G6120B/G6130B ¹ (including foreline pump ²)	575 × 730 × 690 mm	approximately 100 kg
G7110B/G7111B	180 × 396 × 436	14 kg
G7114A	140 × 396 × 436 mm	11 kg
G7115A/ G7165A	140 × 396 × 436 mm	12 kg
G7159B	781 × 393 × 622 mm	30.6 kg

¹ For more details, refer to the 6100 Series Single Quad LCMS Site Preparation Guide.

² Foreline pump requires extra space below the bench



Environmental Conditions

Operating your instrument within the recommended temperature ranges ensures optimum instrument performance and lifetime.

Special Notes

- 1 Performance can be affected by sources of heat and cold, e.g. direct sunlight, heating/cooling from air conditioning outlets, drafts and/or vibrations.
- 2 The site's ambient temperature conditions must be stable for optimum performance.
- 3 The following table summarizes some key physical specifications. For the complete set of physical specifications, please refer to the corresponding module manual.

Instrument Description	Operating temp range °C (F)	Operating humidity range (%)
G1315C/D, G1365C/D	0 – 55 °C (32 – 131 F), constant temperature.	< 95 %, non-condensing
G1361A, G1364B, G2258A	4 – 40 °C (39 – 104 F)	< 95 %, non-condensing
G1968F	0 – 40 °C (32 – 104 F), constant temperature	80 % r.h. up to 31 °C, decreasing to 50 % at 40 °C, non-condensing
G6120B, G6130B ¹	15 – 35 °C (59 – 95 F), constant temperature < ±3 °C from the calibration temperature	< 80 % r. h.
G7110B/G7111B	4 – 55 °C (39 – 131 F)	< 95 % r.h. at 40 °C 40 °C (104 F), non-condensing
G7114A	4 – 55 °C (39 – 131 F)	< 95 % r.h. at 40 °C 40 °C (104 F), non-condensing
G7115A/ G7165A	4 – 55 °C (39 – 131 F)	< 95 % r.h. at 40 °C 40 °C (104 F), non-condensing
G7159B	4 – 40 °C (39 – 104 F)	? 80 % r.h. up to 31 °C, decreasing to 50 % r.h. at 40 °C, non-condensing
All other modules	4 – 55 °C (39 – 131 F), constant temperature	< 95 % r.h. at 40 °C, non-condensing

¹ For more details, refer to the 6100 Series Single Quad LCMS Site Preparation Guide



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Power Consumption

Special Notes:

- 1 If a computer system is supplied with your instrument, be sure to account for those electrical outlets.
- 2 The heat dissipation can be calculated from the active power, using the following equation:
1 W = 3.413 BTU/h

Instrument Description	Line Voltage & Frequency (V, Hz)	Maximum Power Consumption (VA)	Maximum Power Consumption (W)
G1310B	100 – 240 V(AC), 50 or 60 Hz	180 VA	55 W
G1361A	100 – 240 V(AC), 50 or 60 Hz	250 VA	210 W
G2258A	100 – 240 V(AC), 50 or 60 Hz	260 VA	210 W
G1364B	100 – 240 V(AC), 50 or 60 Hz	200 VA	180 W
G1315C/D, G1365C/D	100 – 240 V(AC), 50 or 60 Hz	160 VA	160 W
G1390B	100 – 240 V(AC), 50 or 60 Hz	140 VA	65 W
G1968F	100 – 240 V(AC), 50 or 60 Hz	93 – 111 VA	N/A
G6120B/G6130B ¹	200 – 240 V(AC), 50 or 60 Hz	2000 VA	2000 W
G7110B/G7111B	100 – 250 V(AC) ± 10 %, 50 or 60 Hz, ± 5 %	80 VA	65 W
G7114A	100 – 250 V(AC) ± 10 %, 50 or 60 Hz, ± 5 %	80 VA	70 W
G7115A/ G7165A	100 – 250 V(AC) ± 10 %, 50 or 60 Hz, ± 5 %	110 VA	100 W
G7159B	100 – 250 V(AC) ± 10 %, 50 or 60 Hz, ± 5 %	350 VA	350 W

¹ For more details, refer to the 6100 Series Single Quad LCMS Site Preparation Guide



Required Operating Supplies by Customer

Special Notes:

- For information on Agilent consumables, accessories and laboratory operating supplies, please visit <http://www.chem.agilent.com/en-US/Products/consumables/Pages/default.aspx>



Other/Special Requirements



G6120B/G6130B

For details, refer to the *6100 Series Single Quad LCMS Site Preparation Guide*.

It is suggested that the MSD runs of a UPS to allow for a proper shut down which extends the life of the MSD. This can be a site-wide UPS or a standalone UPS. If standalone, it will need to allow for 3000 – 6000 VA.



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Stack Configurations

NOTE

Clustering of the Open-Bed Fraction Collector is not yet supported in the drivers.

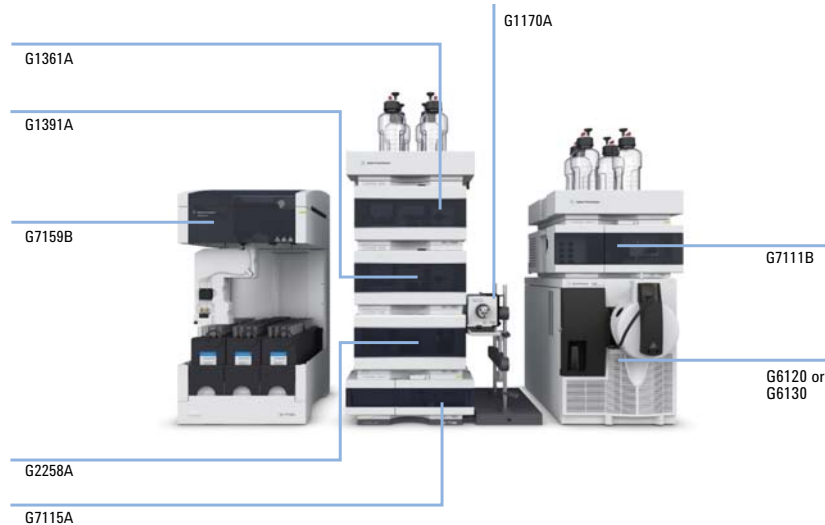


Figure 1 Stack configuration for 1260 Infinity combined analytical and preparative system with UV- and MS-Detection (example configuration with the 1290 Infinity II Preparative Open-Bed Fraction Collector)

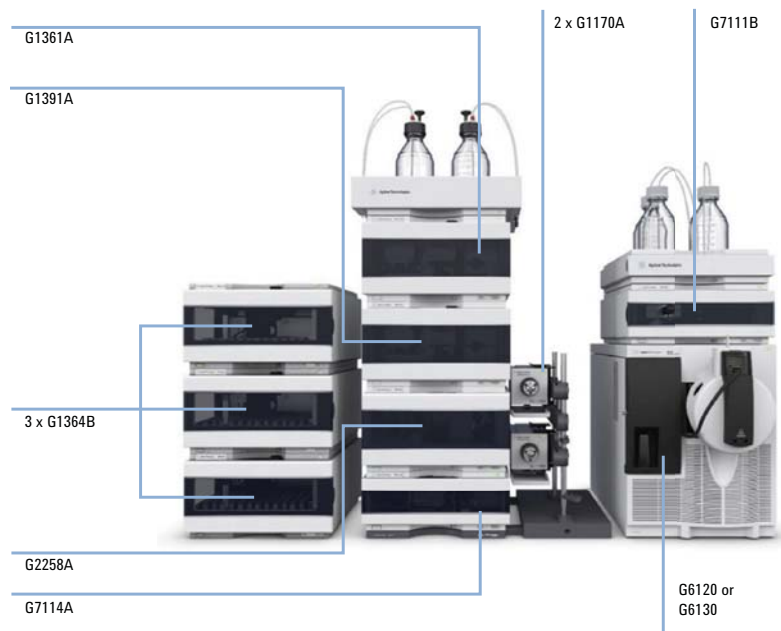


Figure 2 Stack configuration for 1260 Infinity combined analytical and preparative system with UV- and MS-Detection (example shows configuration with 3 FCs in a clustered configuration - optionally available to be stacked in the same order with one FC and only one valve and one valve drive)



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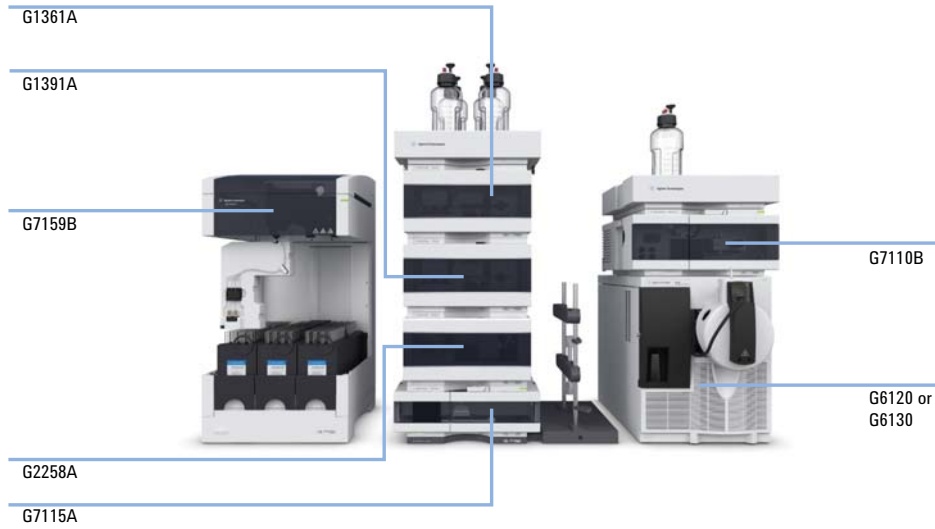


Figure 3 Stack configuration for 1260 Infinity Purification System with UV- and MS-Detection (example configuration with the 1290 Infinity II Preparative Open-Bed Fraction Collector)



Figure 4 Stack configuration for 1260 Infinity Purification System with UV- and MS-Detection (example shows configuration with 3 FCs in a clustered configuration - optionally available to be stacked in the same order with one FC and only one valve and one valve drive)



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Figure 5 Stack configuration for 1260 Infinity, preparative system with UV-Detection and Open-Bed Fraction Collector

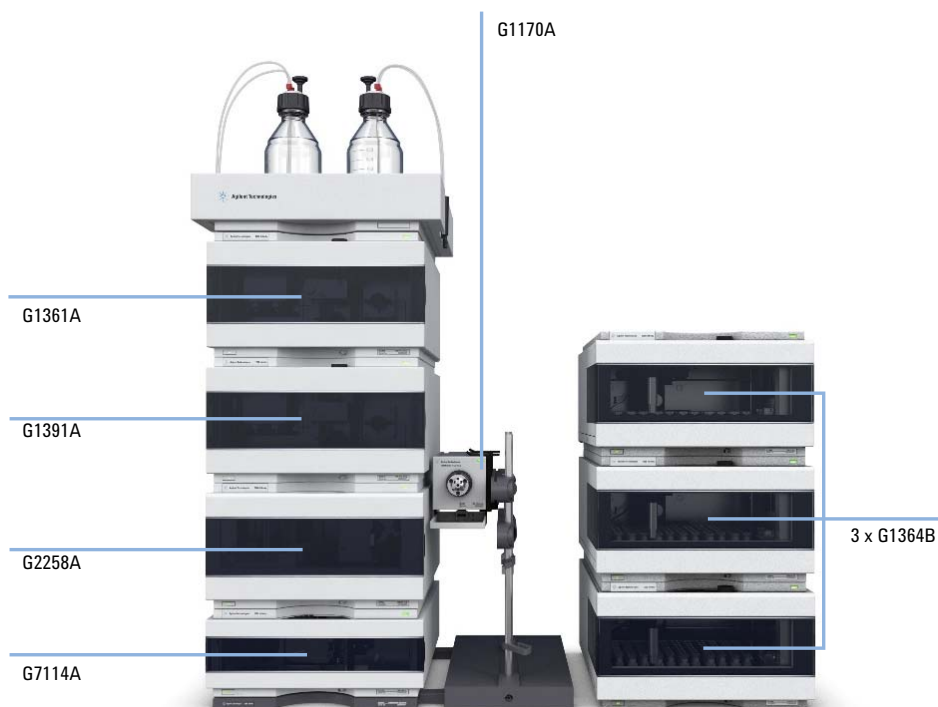


Figure 6 Stack configuration for 1260 Infinity, preparative system with UV-Detection (example shows option with 3 FCs in a clustered configuration - optionally available to be stacked in the same order with one FC and only one valve and one valve drive)



Document Control Logs

Table 2 Revision Log

Revision	Date	Reason For Update
1.0	12-Mar-2014	Initial Revision
1.1	20-Mar-2015	Added modules G1311B, G1365C/D, G1383A; Minor corrections
1.2	25-Nov-2016	New stack configurations

Table 3 Approval Log

Revision	Approver	Title of Approver
1.0	NN	NN
1.1	Petro van Poppel	Support Engineer
1.2	Stefan Ullrich	Product Manager