



LL Column and L&L4000MPS Site Preparation Checklist

Thank you for purchasing an Agilent **instrument**. 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 for your site.

Customer Responsibilities

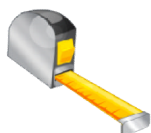
Make sure your site meets the following prior specifications before the installation date. For details, see specific sections within this checklist, including:

- The necessary laboratory or bench space is available
- The environmental conditions for the lab as well as laboratory gases and plumbing
- 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 Requirements section below for other product-specific information.
- For more details, please consult the Load & Lock column manual.

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

1. If you have questions or problems in providing anything described as a 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.
2. 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.
3. Other optional services such as additional training, operational qualification (OQ) 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.

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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.

Special Notes

1. All instruments must be placed on a flat sturdy surface free of significant vibration.
2. Ensure the distance between the system and the walls of the facility is at least 10 cm (4 in) to provide adequate ventilation and allow ready access in the event that any adjustments are needed.
3. Avoid placing the instrument in locations with extreme temperature and humidity changes such as direct sunlight, near an open window, or beneath an air conditioning vent.

Instrument Description	Weight		Height		Depth		Width	
	Kg	lbs	cm	in	cm	in	cm	in
L&L4001	9.5	21	92	36	36	14	36	14
L&L4002	20	45	100	39	36	14	36	14
L&L4003	37	81	92	36	41	16	41	16
L&L4000MPS w/o LL column	62	136	100	39	42	17	60	24
Column + Packing station	100 Max	225 Max	188	74	42	17	60	24



Environmental Conditions

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

Special Notes

1. Performance can be affected by sources of heat & 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.

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Instrument Description	Operating temp range °C (F)	Operating humidity range (%)
Load & Lock column	15- 30 °C (59 - 86 °F)	20-80%RH
L&L4000MPS	15- 30 °C (59 - 86 °F)	20-80%RH


Power Consumption

No Power required.


Required Operating Supplies by Customer
Special Notes

1. For information Please refer to individual test sections for more information on the quantity and / or concentration of the materials required for the successful completion of the IQ, OQ.

Item Description (including dimensions etc)	Vendor's Part Number (if applicable)	Recommended Quantity
Packing material (Solid phase)	TBD	TBD
Beaker, Flasks , Funnels and spatulas	Any	TBD
HPLC grade water or DI water	Any	TBD
HPLC grade Iso-Propanol	Any	TBD
HPLC grade acetone	Any	TBD
HPLC grade Methanol	Any	TBD
Column Test Mixtures (Standards)	TBD	TBD

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- A minimum of 80 psi of dry filtered compressed air or nitrogen is required.

If there are any special site requirements for the validation prior to performing this validation, record the information below.

If not, check None _____

Service Engineer Comments (optional)

If there are any specific points you wish to note as part of performing the installation or other items of interest for the customer, please write in this box.

Other Important Customer Web Links

- How to get information on your product: Literature Library - <http://www.agilent.com/chem/library>
- Need to know more? - www.agilent.com/chem/education
- Need technical support, FAQs? - www.agilent.com/chem/techsupp
- Need supplies? - www.agilent.com/chem/supplies

Service Completion

Service request number _____ Date service completed _____

Agilent signature _____ Customer signature _____