

Varian 385-LC Pre-Installation Site Preparation Check List

Document No. 385PreInst

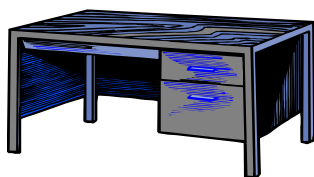


Thank you for choosing Varian 385-LC.

1. Purpose:

In order to accommodate your new instrument in your laboratory it is very important that you first review carefully the following requirements for electrical service, exhaust fume ventilation and bench space. It is essential that these be in place in advance of the scheduled installation date. Your local area service representative will call to schedule installation and training date that is convenient to you. If you have any questions please call Instrument Technical Support Department at +44 (0) 1694 725300.

2. Bench Space:



The standard instrument will require the following bench space: Width 20cm (8"), Depth 45cm (18"), Height 42cm (17").

3. Extraction Requirements:



During normal operation the carrier solvent is evaporated as it passes through the instrument and must be extracted safely at the rear of the unit.

The exhaust from the instrument (13mm ID PVC tubing) must be extracted to a fume hood or similar solvent disposal unit.

If the extraction tube provided with the instrument is to be extended it is recommended that the diameter of the extension is increased to at least 50mm (2") diameter tubing so the extraction quality is not inhibited.

4. Power:



USA and Japan 115V (AC) $\pm 10\%$
50/60 Hz, 2A max, with a protective earth connection.

Europe 230V (AC) $\pm 10\%$
50/60 Hz, 2A max, with a protective earth connection.



Ensure the power switch and appliance coupler remain accessible at all times.

5. Environmental Conditions:



Temperature 15 to 35°C (59 to 86°F)
At constant temperature

Avoid positioning in direct sunlight

Humidity 10-80%

6. Gas Supply



Gas: Nitrogen (98% purity or better and filtered to 0.2µm)

Notes:

- ⇒ Air can **only** be used for non flammable solvents
- ⇒ The mass flow controller is not calibrated for use with gases other than Air or Nitrogen
- ⇒ For operation with other inert gases contact Polymer Laboratories for advice.

Gas flow up to 3.25 SLM @ 60 psi @25°C

Pressure operating range: 60 – 100 psi (4-6.7 bar)

Maximum Pressure: 100 psi (6.7 bar)

7. Computer Specification:

Minimum Requirements :-

- Pentium 4 operating at 2GHz or greater microprocessor
- 512Mb or better minimum 256 Mb
- Nominally 500 Mb of free hard disk space required
- SVGA(800 x 600) Resolution set to High Colour (16bit)
- Microsoft Windows XP Pro
- Microsoft compatible mouse
- One RS-232 serial communications port or minimum 2 USB ports.
- Upgrade system to the latest MS Windows Service Pack

6. Precautions:

• Solvent Vapours

Vapour sensors are used inside and outside the enclosure of the Varian 385-LC to alert the operator to solvent leaks. Liberal use of organic solvents in close proximity to the instrument may activate the vapour sensor, causing the instrument to shutdown.



*Please exercise care when using solvents close to the instrument:
vapour sensor is present in the Varian 385-LC.*

Thank you for your attention to these matters. Please feel free to call the Instrument Technical Support Department at +44 (0)1694 725300 with any questions you may have regarding the installation or operation of the Instrument. We look forward to serving all of your GPC and HPLC needs.