

Site Preparation Specification

**Purpose of Procedure**

To assure that the installation of Agilent instruments and systems can be completed successfully by careful preparation and evaluation of the installation site and by ensuring the availability of appropriate utilities, consumables and supplies.

**Customer Responsibilities**

Customers should ensure that all necessary operating supplies, consumables and usage dependent items such as columns, vials, syringes and solvents required for the successful installation of instruments and systems are available - HPLC Grade Methanol, Acetonitrile and water.

Installation sites should be prepared in accordance with the following specifications.

**Important Information**

If you have problems in providing any of the following, please contact your local Agilent office for assistance. Assistance with user specific applications may be provided but should be contracted separately. Users of the instrument should be present throughout the installation and familiarization otherwise important operational, maintenance and safety information may be missed.

**NOTE:**

The system bundle G1380AA includes a G1310A pump, G1314A VWD, a G1328A Manual Injector and the G2220A Value Solution ChemStation (hardware and software). In addition the following modules may be added: G1316A TCC, G1321A FLD, G1362A RID, G1323A Control Module.

**Procedure Checklist**

*Dimensions and Weight*



**G1310A Pump:**

Weight: 11 kg	Height: 14 cm
25 lbs.	5.5 in
Depth: 43.5 cm	Width: 34.5 cm
17 in	13.5 in

**Check Boxes**

**G1314A Variable Wavelength Detector:**

Weight: 11 kg	Height: 14 cm
25 lbs.	5.5 in
Depth: 43.5 cm	Width: 34.5 cm
17 in	13.5 in

**G1316A Thermostatted Column Compartment:**

Weight: 10.2 kg	Height: 14 cm
22.5 lbs.	5.5 in
Depth: 43.5 cm	Width: 41 cm
17 in	16 in

**G1321A Fluorescence Detector:**

Weight: 11.5 kg	Height: 14 cm
25.4 lbs.	5.5 in
Depth: 43.5 cm	Width: 34.5 cm
17 in	13.5 in

**G1362A Refractive Index Detector:**

Weight: 17 kg	Height: 18 cm
38 lbs.	7 in
Depth: 43.5 cm	Width: 34.5 cm
17 in	13.5 in

*Environmental Conditions*



Temperature: **G1314A, G1362A:**  
0 to 55°C,  
constant temperature.

**G1321A:**  
0 to 40°C,

**All other modules:**  
4 to 55°C,  
constant temperature.

Humidity: < 95%, non-condensing

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Check Boxes



**Power**

Voltage: 100 - 120 VAC, +/- 10%  
220 - 240 VAC, +/- 10%

Wide ranging

Consumption:

G1310 Pump:	180 VA
G1314A VWD:	220 VA
G1316A TCC:	320 VA
G1321A FLD:	180 VA
G1362A FLD:	160 VA

**PLEASE NOTE: An AC outlet is required for EACH module, in addition to the Computer System (if applicable)**

*Mechanical Specifications*

**Bench Space:**

The modular dimensions and weight allow the instrument to be placed on almost any laboratory bench. The instrument requires an additional 2.5 cm (1.0 inch) of space on either side, and approximately 8 cm (3.1 inches) at the rear for the circulation of air and room for electrical connections. Ensure the modules are installed in a horizontal position.

If the bench should carry a complete 1100 Series system, make sure that the bench is designed to carry the weight of all the modules.

**Recommended Configuration:**

Note: If you have to add additional modules – place G1321A FLD or G1362A RID below the G1314A VWD  
G1316A TCC above the G1314A VWD.

