

G6501B, G6509B and G6502B

G650xB GC Sampler 80/120 and GC Injector 80 Site Preparation Checklist



Agilent Technologies

Site Preparation Specification

Purpose of Procedure

Your site must meet this specification or set of requirements to assure a successful and timely installation of your instrument. This document is designed to prevent delays during installation, familiarization, and the initial use of the system in your application. This document outlines the space and utility requirements for a Sampler 80/120 or Injector 80 System. It also recommends consumables that may help you get started. Use this document along with the Sampler 80/120 or INJECTOR 80 User Guide and Consumable Catalog.

Customer Responsibilities

Make sure your site meets this specification, including: the necessary space, electric outlets, gases, tubing, operating supplies, consumables and other usage dependent items such as vials, syringes and solvents required for the successful installation of instruments and systems. 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 Information

If you need assistance, please contact your local Agilent Technologies office. Assistance with user specific applications may be provided, but will be contracted separately.



Dimensions and Weight



Select the laboratory bench space before your system arrives. Pay special attention to the total height requirements. Avoid bench space with overhanging shelves or objects that will restrict the movement of the autosampler. Provide at least 6 inches of clearance in the rear of the instrument and ensure an even bench surface.

Module	Weight (without accessories)		Height		Depth		Width	
Sampler 80/120	10 kg	22 lbs	648 mm	25.5 in	385 mm	14.1 in	828 mm	32.6 in
Injector 80	10 kg	22 lbs	575 mm	22.6 in	385 mm	14.1 in	828 mm	32.6 in



Environmental Conditions



Operating the system within the recommended temperature ranges insures optimum instrument performance and lifetime. Performance can be affected by sources of heat, cold, and humidity from heating, air conditioning systems, or drafts.

Module	Temperature	Humidity
Sampler 80/120	4 to 40°C (39 to 104°F)	< 95%, non-condensing
Injector 80	4 to 40°C (39 to 104°F)	< 95%, non-condensing

**Site Preparation Specification****Power Consumption**

The number and type of electrical outlets depends on the configuration of your system.

Power Supply	Line Voltage	Frequency	Current
Sampler 80/120	100-240 V AC	50-60 Hz	4 A
Injector 80	100-240 V AC	50-60 Hz	4 A
Cooled Trayholder	100-240 V AC	50-60 Hz	2 A

**Gas Supply**

Gases are supplied by tanks, internal distribution system, or gas generators. Tank supplies require two staged, pressure regulation. **To connect tubing to the supply, it must have one 1/8-inch Swagelok female connector for each gas.** Make sure that your regulator has the appropriate sized adapter to end with a 1/8-inch Swagelok female connector.

Gas Type	Gas Purity	Pressure
Helium or Nitrogen	>99.9995%	1.0-1.5 bar

Conversions: 1 bar = 14.504 psi = 100 kPa = 0.987 ATM

**Other considerations**

Depending on your purchased configuration, you may want to consider adding the following supplies to maintain the autosampler and prevent interruptions in the use of the system. Please refer to the Agilent Consumables and Supplies Catalog for part numbers and recommended maintenance periods.

Category	Consumable
Sample Vials	Vials, caps, septa
Sample Plates	Plates, plate covers
Syringe Supplies	Syringes, plungers, plunger tips
Wash Station Supplies	Vials, caps, septa, tubing