

# Agilent CrossLab Start Up Services

## Agilent 8890 Gas Chromatograph

### Site Preparation Checklist

Thank you for purchasing an **Agilent instrument**. Correct site preparation is crucial in ensuring your instruments and software systems operate reliably over an extended lifetime. Use this document with the [Site Preparation Guide](#) to prepare your site for installation.



Preparing the site for the installation is the Customer's responsibility. Please get in touch with Agilent with any questions or concerns regarding your site readiness.

## Customer Responsibilities

Ensure that your site meets the following specifications before the installation date. For details, see specific sections within the Site Preparation Guide:

- The necessary laboratory bench space is available.
- The environmental conditions for the site are within the operating conditions for the instrumentation.
- Dedicated power circuit for the 8890 Gas Chromatograph.
- Dedicated power circuit for the Mass Spectrometer. (If part of the system.)
- There are power outlets for all the system components ordered. (PC, printer, etc.)
- The required operating supplies are necessary for the product and installation.
- The appropriate installation hardware has been acquired.
- If the system being installed includes an MSD, ensure that the bench allows for proper installation and connection of the foreline pump.
- Proper venting is provided for the GC system.
- Appropriate gas and reagent supplies are provided for the GC system.
- Gas plumbing is provided up to the GC system.
- If the GC uses cryogenic cooling, ensure that appropriate cryogenic cooling supplies are provided for the GC.
- If the GC system being installed includes a data system, ensure that the PC meets the requirements necessary to support the GC system properly. For more information. (See the site prep guide for your data system.)
- If the GC being installed is to be connected to a site LAN, ensure that the appropriate cabling is available.
- Customer Information  
 If you have questions or problems providing anything described as a Customer Responsibility, please contact your local Agilent or partner support service organization for assistance before the scheduled installation. In addition, Agilent or its partners reserve the right to reschedule the installation depending on the readiness of your site.
- Should your site not be ready for whatever reasons, please get in touch with Agilent as soon as possible to re-arrange any services that have been purchased.
- Other optional services, such as extra training, compliance services, and consultation for user-specific applications, may also be provided during installation. Please discuss this with your Agilent Sales representative before the installation is scheduled.

Hydrogen is flammable. Leaks may create a fire or explosion hazard when confined in an enclosed space. In any application using hydrogen, leak test all connections, lines, and valves before operating the Instrument. Always turn off the hydrogen supply at its source before working on the Instrument.

Please refer to the Hydrogen Safety Guide, shipped with the Instrument.

## Important Customer Web Links

- To access Agilent training and education, visit <http://www.agilent.com/chem/training> to learn about training options, which include online, classroom, and onsite delivery. A training specialist can work directly with you to help determine your best options.



- To access the **Agilent Resource Center** web page, visit <https://www.agilent.com/en-us/agilentresources>. The following information topics are available:



- Sample Prep and Containment, Chemical Standards, Analysis, Service and Support, and Application Workflows

- The **Agilent Community** is an excellent place to get answers, collaborate with others about applications and Agilent products, and find in-depth documents and videos relevant to Agilent technologies. Visit <https://community.agilent.com/welcome>



- Videos about specific preparation requirements for your instrument can be found by searching the **Agilent YouTube** channel at <https://www.youtube.com/user/agilent>



- **Need to place a service call?** [Flexible Repair Options | Agilent](#)



## Typical System Layout

Typical GC System - 8890 GC with computer and printer.

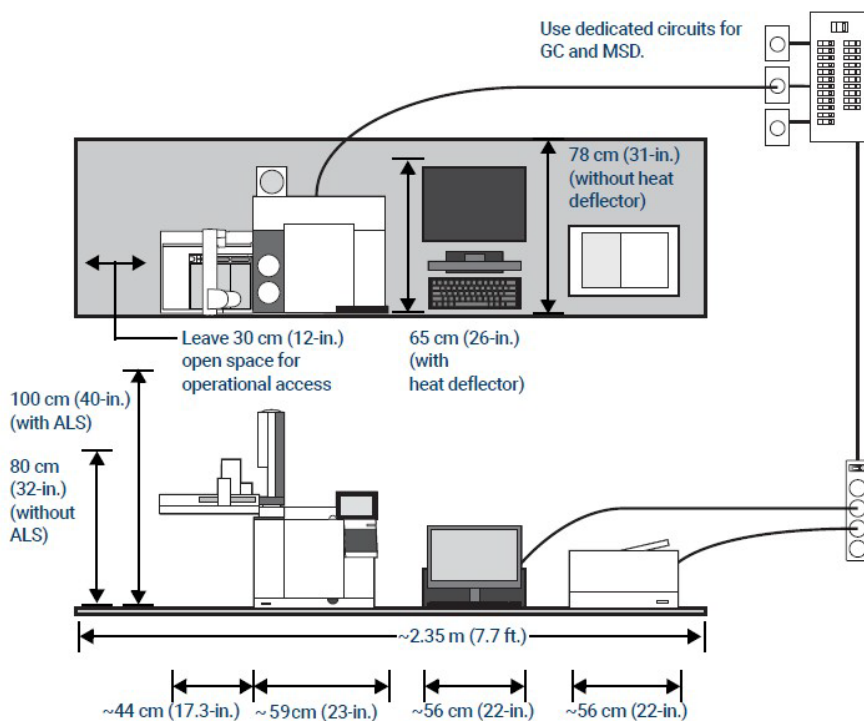
Application	Gas*	Purity	Supply Pressure (psi)†
Carrier	Helium	99.9995	50 - 80
	Hydrogen	99.9995	50 - 80
	Nitrogen	99.9995	50 - 80
Detectors			
TCD	Helium	99.9995	50 - 80
FID, NPD, FPD, TCD	Hydrogen	99.9995	50 - 80
ECD, FID, FPD, NPD, TCD	Nitrogen	99.9995	50 - 80
FID, NPD, FPD	Air	Zero grade	50 - 80

\* Use 1/8-in Swagelok gas connections

† 1 psi = 6.89 kPa

Cryo Cooling (Liquid)	Tubing	Supply Pressure (psi)*
CO <sub>2</sub>	1/8-inch stainless tubing	700-900
N <sub>2</sub>	1/4-inch insulated tubing	20-25

\* 1 psi = 6.89 kPa



Total weight: ~84 kg (186 lb)

Maximum power consumption: ~3,950 VA (13,478 btu/hr)

## Service Engineer Review (Optional)

Use this page to document a review of the Site Preparation requirements between the Customer and the Service Engineer.

### Service Engineer Comments

If there are any specific points that should be noted as part of performing the site preparation review or other items of interest for the customer, please write in this box.

## Site Preparation Verification

Service Request Number:

Date of Review:

Service Engineer Name:

Customer Name:

Service Engineer Signature:

Customer Signature:

Total number of pages in this document: