

## Agilent CrossLab Start Up Services

# Agilent Cary Sipper Accessory Site Preparation Checklist

Thank you for purchasing an instrument from **Agilent Technologies**. CrossLab Start Up is focused on helping customers shorten the time it takes to start realizing the full value of their instrument investment.

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, space, and utility requirements for the system set up in your lab.

# Introduction

## Customer Information

- If you have questions or problems in providing anything described as part of *Customer Responsibilities* below, 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.
- Should your site not be ready for whatever reasons, please contact Agilent as soon as possible to re-schedule any services that have been purchased.
- 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.
- If repair is required, the main repair option for your Agilent Cary Sipper accessory is by utilizing the Instrument Exchange or Return to Agilent programs. Please consult your local Agilent representative for more information.

## Customer Responsibilities

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

- The necessary laboratory or bench space is available.
- The required **environmental conditions for the lab** as well as laboratory gases, tubing, plumbing and extraction.
- The **power requirements** related to the product (e.g. **number & location** of electrical outlets).
- The **required operating supplies** necessary for the product and installation.
- While Agilent is delivering **Installation and Introduction** services, users of the instrument should be present throughout these services; otherwise, they will miss important operational, maintenance and safety information.
- Please consult the **Special Requirements** section below for other product-specific information
- For more details, please consult the product-specific site preparation or pre-installation manual.
- For more details, please consult the Agilent Cary Sipper Installation Instructions.

## 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
  - 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](#)

# Site Preparation

## 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

- The weight and the dimensions of the Agilent Cary Sipper allow it to be placed on almost any desk or laboratory bench but remember to provide enough space for the spectrometer, computer, monitor and printer, and any additional accessories that have also been purchased.
- The Cary Sipper is designed to be position on the left hand side of the Module.
- For the Agilent Cary Sipper and the system it is attached to, you must allow for the circulation of air of the Sipper by allowing at least 20cm (8 inches) of space on the left. The distance between the right side and the Module is set by the sample holder bracket when pushed against the Module. This is the minimum distance required and is approximately 3.5cm. For the rear, at least approximately 10 cm (4 inches) is required for electrical connections and air flow.
- Ensure that the workbench is free from vibration. Any equipment generating vibration during operation must be placed on the floor rather than alongside the Agilent Cary Sipper on the workbench.
- The power cord is located at the rear of the Agilent Cary Sipper. The power switch is located at the front and user accessible ports are located at the rear. The right side has a holder for four test tubes.
- To avoid damage through the spillage of analyzed samples, the worktops should be covered with a material that is corrosion resistant and impervious to liquids.
- To avoid injury to personnel or damage to equipment, always use proper lifting techniques when removing or replacing the Agilent Cary Sipper.
- No weight is to be placed on the Agilent Cary Sipper and do not subject the accessory to any shocks.

### Desk or Laboratory Bench Requirements (unpacked)

Accessory Description	Weight		Height		Depth		Width	
	Kg	lbs	cm	in	cm	in	cm	in
<b>Agilent Cary Sipper</b>	4.1	9	25	10	21.5	8.5	25	10

### Handling Dimensions and Weights (with packaging)

Accessory Description	Weight		Height		Depth		Width	
	Kg	lbs	cm	in	cm	in	cm	in
<b>Agilent Cary Sipper</b>	7.5	17	46	18	46	18	37	15

## Cary Sipper Compatibility

The Agilent Cary Sipper is compatible with software version Cary UV Workstation 1.2 and above and is compatible with the following hardware and software combinations.

### Compatibility

Accessory Description	Agilent Cary Sipper	Software Version
<b>Compact Module (Ambient or Peltier)</b>	Yes (1 cuvette position)	Cary UV Workstation 1.2 and above
<b>Multicell Module (Ambient or Peltier)</b>	Yes (up to 3 cuvette positions) One temperature zone only	Cary UV Workstation 1.2 and above
<b>Flexible UV-Vis Module</b>	Yes	Cary UV Workstation 1.4 and above (not supported in the Thermal App)

## Environmental Conditions

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

### Special notes

- Performance can be affected by sources of heat & cold, e.g. direct sunlight, heating/cooling from air conditioning outlets, drafts and/or vibrations.
- The bench or supporting surface must be vibration free and stable.
- The laboratory's ambient temperature conditions must be stable for optimum performance.
- For optimum performance the area should have a dust-free, low humidity atmosphere. A layer of dust on the electronic components and heat sinks could act as an insulating blanket and reduce heat transfer to the surrounding air.
- The site's ambient temperature conditions must be stable for optimum performance.
- Air conditioning is recommended. The site's ambient temperature conditions must be stable for optimum performance. It is recommended that the ambient temperature of the laboratory be between 20 and 25°C and be held stable within 2°C throughout the entire working day.
- Any spills must be cleaned up immediately.
- Sample preparation areas and materials storage facilities should be in a separate room.
- The Cary Sipper can be stored at altitudes up to 4,600 m (15,091 ft.) and operated at altitudes up to 3,100 m (10,170 ft.).

### Operating conditions

Instrument Description	Operating Temperature Range °C (F)	Operating Humidity Range %	Heat Dissipation BTU
G9853A Agilent Cary Sipper	15 to 35 (59 to 95)	15 to 80%, non-condensing	90 maximum

### Non-operating conditions

Instrument Description	Operating Temperature Range °C (F)	Operating Humidity Range %	Heat Dissipation BTU
G9853A Agilent Cary Sipper	-20 to 70 ( -40 to 158)	15 to 95%, non-condensing	0

## Exhaust Venting Requirements

- The Cary Sipper is designed for operation in clean air conditions. The laboratory must be free of all contaminants that could have a degrading effect on the instrument's components.
- Dust, acid and organic vapors, such as acetone, must be expelled from the work area. It is your responsibility to provide an adequate exhaust system. An exhaust system is not required for normal operation of the Cary Sipper but should be installed if substances giving off toxic vapors are to be analyzed.

## Power Consumption

### Special notes

- If a computer system is supplied with your instrument, be sure to account for those electrical outlets.
- A separate power outlet receptacle should be provided for the Cary Sipper Accessory.
- Always operate your instrument from a power outlet which has a ground connection. Make certain that power outlets are earth-grounded at the grounding pin.
- Good electrical grounding is essential to avoid potentially serious shock hazards and for the instrument to perform within its specifications.
- The use of extension cords or outlet adaptors is not recommended.
- All power supplies for the Agilent Cary Sipper must be single-phase, AC voltage, three-wire system (active, neutral, earth) with ground connection must be provided and should be terminated at an appropriate power outlet receptacle that is within reach of the power cord.
- The use of extension cords or outlet adaptors is not recommended.
- The Agilent Cary Sipper is supplied with power cord and three-pin plug assembly that is designed for your region and is compatible with common standards applicable in the local area.
- The Agilent Cary Sipper is also supplied with a +24VDC, 60W power supply that is designed for your region and is compatible with common standards applicable in the local area. This power supply plugs into the Agilent Cary Sipper. This power supply is non user serviceable and if required, must be replaced using the spare part supplied by Agilent.
- Do not position the equipment so that it is difficult to operate the disconnecting device.
- Avoid using power supplies from a source that may be subject to electrical or RF interference from other services (large electric motors, elevators, and welders, for example).

- Power cords are provided based on the user's country requirements. Only the supplied power cord is to be used with this equipment. The installation of electrical power supplies must comply with the rules and/or regulations imposed by local authorities responsible for the supply of electrical energy to the workplace.
- If necessary, replace the power cord and power supply only with the ones specified.

## Accessory

Accessory Description	Line Voltage and Frequency V, Hz	Maximum Power Consumption VA	Maximum Power Consumption W
Agilent Cary Sipper	24VDC	NA	23W

## Power Supply

Power Supply	Line Voltage and Frequency V, Hz	Maximum Power Consumption VA	Maximum Power Consumption W
+24V Power Supply	100-240VAC, 47-63Hz	NA	3W

## Power cables for Accessory

Part Number	Description
8120-0674	Power Cord, THAILAND And PHILIPPINES, C13, 250V, 10A, 2.5m
8120-1369	Power Cord, AUS/NZ, C13, 250V, 10A, 2.5m
8120-1378	Power Cord, US Canada, C13, 125V, 10A, 1.8m
8120-2104	Power Cord, Switzerland, C13, 250V, 10A, 2.5m
8120-3997	Power Cord, Denmark, C13, 250V, 10A, 2.5m
8120-4211	Power Cord, South Africa/India/, C13, 250V, 10A, 2.5m
8120-5182	Power Cord, Israel, C13, 250V, 10A, 2.5m
8120-6869	Power Cord, Argentina, C13, 250V, 10A, 2.5m
8120-6978	Power Cord, Italy, Chile, C13, 250V, 10A, 2.5m
8120-8705	Power Cord, GB/HK/SG/MY, C13, 10A, 250V



Part Number	Description
8121-0723	Power Cord, China, C13, 250V, 10A, 2.5m
8121-1226	Power Cord, Europe, Neth Antilles, Parts SAm/Africa/Asia, C13, 250V, 10A, 2m
8121-1635	Power Cord, Taiwan, Japan, C13, 125V, 12A, 2.5m
8121-1809	Power Cord, Brazil, C13, 250V, 10A, 2.5m

### DC Power Supply Adapter

Part Number	Description
5190-0159	+24V, 60W DC Power Supplier for Cary Sipper

## Required Operating Supplies by Customer for Installation

### Special notes

- Download the Essential Chromatography and Spectroscopy Supplies Catalogs for a complete overview about available supplies for your new and existing Agilent Instruments.  
<https://www.agilent.com/en-us/products/lab-supplies>
- One tubing accessory kit is supplied with the Cary Sipper which is enough for one flow cell. If additional flow cells are used then additional tubing accessory kits can be purchased.
- One sample compartment tubing guide is supplied with the Cary Sipper which is enough for one flow cell. If additional flow cells are used then additional sample compartment tubing guides can be purchased.
- Flow cells are not supplied by default with the Cary Sipper. They must be purchased as options when buying the accessory as they will be required for installation.
- To enhance productivity, additional accessories are recommended.

Item Description (including Dimensions etc.)	Vendor's Part Number (if applicable)	Recommended Quantity
Kit Accessory Cary Sipper	G9853-68000	1 for each additional flow cell
Kit Bracket Tube Guide	G9853-68001	1 for each additional flow cell
Flow Cell 10mm 80uL 3mm oval aper 1/pk	0100-1225	At least one flow cell is required.

Item Description (including Dimensions etc.)	Vendor's Part Number (if applicable)	Recommended Quantity
Flow Cell 10mm 390uL rect aper 1/pk	5061-3398	At least one flow cell is required.
Peri Pump Tubes PVC Solva Purpl/Blk 15/pk	3710047000	1 is supplied with the accessory kit. Purchase additional for spares
Peri Pump Tubes Marprene Blue/Blue 12/pk	3710044400	Alternative peri tubing. Purchase as required
HDPE Waste container with lid GL45, 6 liter	5043-1196	1
Digestion tubes polyprop. 50 mL, 500/pk flat bottomed	190047900	1 packet
Centrifuge tubes polyprop. 50 mL, 500/pk, conical bottomed	190065200	1 packet

## Special Requirements

### Equipment positioning on the bench.

The Agilent Cary Sipper is designed to be positioned on the left hand side of the Module. Ensure there is enough room for airflow (see above)

### Waste liquid

- Waste management is the responsibility of the customer.
- A waste container made of HDPE is available for purchase from Agilent. Please ensure this is suitable for liquids that will be contained in here.

## Service Engineer Review (Optional)

### Service Engineer Comments

If the Service Engineer completed a review of the Site Preparation requirements with the customer, the Service Engineer should complete the following Comments section.

If there are any specific points that should be noted as part of performing the service 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:

Total number of pages in this document: