

# G9853A Agilent Cary Sipper

## Site Preparation Checklist

Thank you for purchasing an Agilent accessory. To get you started and to assure a successful and timely installation, please refer to this specification or set of requirements.

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, consumables, space, and utility requirements for your equipment.

### Introduction

#### 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 environmental conditions for the site as well as laboratory gases, plumbing and extraction.
- The power requirements related to the product (e.g. number and location of electrical outlets).
- The required operating supplies necessary for the product and installation.
- 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.
- Please consult the Special Requirements section for other product-specific information.
- For more details, please consult the Agilent Cary Sipper Installation Instructions

## Customer Information

- 1 If you have questions or problems in 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 and/or its partners reserve the right to reschedule the installation dependent upon the readiness of your site.
- 2 Should your site not be ready for whatever reasons, please contact Agilent as soon as possible to re-arrange any services that have been purchased.
- 3 Other optional services such as extra training, compliance services and consultation for user-specific applications may also be provided at the time of installation. Please discuss with your Agilent Sales representative before the installation is scheduled.
- 4 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.

## Important Customer Web Links

- Videos about specific preparation requirements for your instrument can be found by searching the *Agilent YouTube* channel at <https://www.youtube.com/user/agilent>
- To access *Agilent University*, visit <http://www.agilent.com/crosslab/university/> 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.
- A useful *Agilent Resource Center* web page is available, which includes short videos on maintenance, quick lists of consumables for new instruments, and other valuable information. Check out the Resource Page here: <https://www.agilent.com/en-us/agilentresources>
- Need technical support, FAQs, supplies? – visit our *Support Home page* at <http://www.agilent.com/search/support>
- Get answers. Share insights. Build connections:  
Join the *Agilent Community* at <https://community.agilent.com/welcome>

## Site Preparation

### Dimensions and Weight

Identify the laboratory bench space before your instrument arrives based on the following table.

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.

### Special notes

- 1 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.
- 2 The Cary Sipper is designed to be position on the left hand side of the Module.
- 3 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.
- 4 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.
- 5 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.
- 6 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.
- 7 To avoid injury to personnel or damage to equipment, always use proper lifting techniques when removing or replacing the Agilent Cary Sipper.
- 8 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 (without packaging)

| Accessory Description | Weight |     | Height |    | Depth |     | Width |    |
|-----------------------|--------|-----|--------|----|-------|-----|-------|----|
|                       | Kg     | lbs | cm     | in | cm    | in  | cm    | in |
| Agilent Cary Sipper   | 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 |
| Agilent Cary Sipper   | 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.

### Module Compatibility

| Accessory Description                 | Agilent Cary Sipper  |
|---------------------------------------|--|
| Compact Module (Ambient or Peltier)   | Yes (1 cuvette position)                                     |
| Multicell Module (Ambient or Peltier) | Yes (up to 3 cuvette positions)<br>One temperature zone only |

### Software Compatibility

| Software Version                       | Agilent Cary Sipper |
|--|---------------------|
| Cary UV Workstation 1.2 and above      | Yes                 |
| Cary UV Workstation Plus 1.2 and above | Yes                 |

## 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 and cold, e.g., direct sunlight, heating/cooling from air conditioning outlets, drafts, and/or vibrations.

- 2 The laboratory's ambient temperature conditions must be stable for optimum performance.
- 3 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.
- 4 The Agilent 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.
- 5 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.
- 6 The site's ambient temperature conditions must be stable for optimum performance.
- 7 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.
- 8 Any spills must be cleaned up immediately.
- 9 Sample preparation areas and materials storage facilities should be in a separate room.
- 10 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<br>°C (F) | Operating Humidity Range % | Heat Dissipation<br>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<br>°C (F) | Operating Humidity Range % | Heat Dissipation<br>BTU |
|----------------------------|---------------------------------------|----------------------------|-------------------------|
| G9853A Agilent Cary Sipper | -20 to 70 (-40 to 158)                | 15 to 95%, non-condensing  | 0                       |

### Power Consumption

#### Special notes

- 1 If a computer system is supplied with your instrument, be sure to account for those electrical outlets.
- 2 A separate power outlet receptacle should be provided for the Cary Sipper Accessory.

- 3 Always operate your accessory from a power outlet which has a ground connection. Make certain that power outlets are earth-grounded at the grounding pin.
- 4 Good electrical grounding is essential to avoid potentially serious shock hazards and for the instrument to perform within its specifications.
- 5 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.
- 6 The use of extension cords or outlet adaptors is not recommended.
- 7 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.
- 8 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.
- 9 Do not position the equipment so that it is difficult to operate the disconnecting device.
- 10 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).
- 11 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.
- 12 If necessary, replace the power cord and power supply only with a the ones specified.

### Accessory

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

### Power Supply

| Power Supply      | Line Voltage and Frequency<br>V, Hz | Maximum Power Consumption<br>VA | Maximum Power Consumption<br>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                                      |
| 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

- 1 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>
- 2 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.

- 3 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.
- 4 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.
- 5 To enhance productivity, additional accessories are recommended.

| Item Description<br>(including Dimensions etc.)            | Vendor's Part Number<br>(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.                                  |
| 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

- 1 Waste management is the responsibility of the customer.
- 2 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.