G348xA and G349xA Chemiluminescence Detector Site Preparation Checklist

Thank you for purchasing an Agilent **instrument**. 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.

Customer Responsibilities: Make sure your site meets the following specifications before the installation date. For details, see specific sections within this checklist, including:

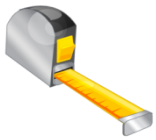
- ❑ The necessary laboratory or bench space is available The environmental conditions for the lab as well as laboratory gases and plumbing

The power requirements related to the product (e.g., number & location of electrical outlets)The required operating supplies necessary for the product and installation Please consult Other Requirements section below for other product-specific information. For more details, please consult the product-specific Site Preparation or Pre-Installation manual. 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 Customer Information

1. If you have questions or problems in providing anything described as a Customer Responsibility above, please contact your local Agilent or partner support/service organization for assistance prior to delivery. In addition, Agilent and/or it's partners reserve the right to reschedule the installation dependent upon the readiness of your laboratory.
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 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.

NOTE: The Standalone Versions are designed for installation on Agilent GCs only. Installation on a non-Agilent GC is not supported and may void warranties.



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**.

Special Notes

1. Burner assembly Requires 18 cm (7 in) above the top of the GC.
2. In addition, the detector vacuum connections require 25 cm (10 in) minimum of space behind the instrument for the vacuum pump hose and electrical connections.
3. The vacuum hose connecting the detector to the foreline pump is 2.1 m (7 ft) long. The vacuum pump power cord is 2 m (6 ft 6 in) long. If your bench abuts a wall, drill a 3.8 cm (1.5 in) diameter hole through the rear of the bench for the vacuum hose.
4. A single XCD installs to the right of the GC. A second XCD installs to the left of the GC. Allow for at least 5 cm (2 in) space between the side of the GC and the detector to allow for proper GC ventilation.

Instrument Description	Weight		Height		Depth		Width	
	Kg	lbs	cm	in	cm	in	cm	in
8255 Nitrogen Detector	24	52	41	16.1	51.1	20.1	27	10.6
8255 S Standalone Nitrogen Detector	24	52	41	16.1	51.1	20.1	27	10.6
8355 Sulfur Detector	22	49	41	16.1	51.1	20.1	27	10.6
8355 S Standalone Sulfur Detector	22	49	41	16.1	51.1	20.1	27	10.6
Edwards RV5 Pump	21.5	47.3	28	11	35	14	18	7

Environmental Conditions

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

Special Notes

1. Performance can be affected by sources of heat & cold e.g. direct sunlight, heating/cooling from air conditioning outlets, drafts and/or vibrations.
2. The site's ambient temperature conditions must be stable for optimum performance.
3. Author to add special considerations or notes (e.g., venting requirements) <insert here>.

Instrument Description	Operating temp range °C (F)	Operating humidity range (%)	Heat Dissipation (BTU)
Detector	10 to 40°C	5 to 80 %	

Power Consumption

Special Notes

1. If a computer system is supplied with your instrument, be sure to account for those electrical outlets.
2. Author to add instrument-specific considerations or notes (e.g., specific power outlets needed).

Instrument Description	Line Voltage & Frequency (V, Hz)	Maximum Power Consumption (VA)	Maximum Power Consumption (W)
Detector - 120 VAC	120 VAC single phase	1200 VA	
Detector - 240 VAC	240 VAC single phase	1200 VA	

Required Operating Supplies by Customer

Special Notes

1. For information on Agilent consumables, accessories and laboratory operating supplies, please visit http://www.chem.agilent.com/en-US/Products/consumables/Pages/default.aspx
2. Author to add info in table below on **required** supplies in order to ensure successful installation.

Item Description (including dimensions etc)	Vendor's Part Number (if applicable)	Recommended Quantity
Hydrogen Gas - 99.9995% Purity		
Hydrogen Regulator - CGA 350, 882 kPa (125 psig) max	5183-4642	1
Air (Oxidizer for SCD) - zero grade or better		
Air Regulator - CGA 346, 882 kPa (125 psig) max	5183-4641	1
Oxygen (Oxidizer for NCD, gas for NCD/SCD ozone generators - 99.9995% Purity		
Oxygen Regulator - CGA 540, 882 kPa (125 psig) max	5183-4643	1

Other Requirements

1. Exhaust Venting - During normal operation of the detector the carrier gas and sample are combusted in the burner assembly and then vented through the vacuum pump. The detector also includes an ozone-destroying chemical trap on the vacuum pump intake. If any residual components are still toxic or noxious, vent these exhausts to a fume hood or other exhaust vent system. Note that an exhaust vent system should not be part of the building environmental control system. A building environmental control system recirculates air within the lab. Exhaust venting must comply with all local environmental and safety codes. Contact your Environmental Health & Safety (EHS) specialist. Author to add guidance, notes, photos and diagrams that are needed by the customer which have not been mentioned above such as: Equipment positioning on the bench,

2. The minimum supply pressure for the detector modules is 138 kPa (20 psi) greater than the pressure used in your method. For example, if you need a pressure of 138 kPa (20 psi) for the method, the supply pressure must be at least 276 kPa (40 psi).

Important Customer Web Links

- ❑ For additional information about our solutions, please visit our web site at http://www.chem.agilent.com/en-US/Pages/HomePage.aspx
- ❑ Need to get information on your product?
  Literature Library - http://www.agilent.com/chem/library
- ❑ Need to know more?
  Customer Education – http://www.chem.agilent.com/en-US/Training-Events/Pages/default.aspx
- ❑ Need technical support, FAQs? – http://www.chem.agilent.com/en-US/Technical-Support/Pages/default.aspx
- ❑ Need supplies? – http://www.chem.agilent.com/en-US/Products-Services/Parts-Supplies/Pages/default.aspx