

**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 an RTC 120, RSI 85/120 or LSI 85 System. It also recommends consumables that may help you get started.

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 ¹		Depth		Width	
	kg	lbs	mm	in	mm	in	mm	in
RTC 120	15.3 kg	33.7 lbs	118 mm	46 in	503 mm	19.8 in	1205 mm	47.5 in
RSI 120	13.8 kg	30.3 lbs	119 mm	47 in	503 mm	19.8 in	1205 mm	47.5 in
RSI 85	11.8 kg	25.9 lbs	119 mm	47 in	503 mm	19.8 in	850 mm	33.5 in
LSI 85	11.7 kg	25.8 lbs	119 mm	47 in	503 mm	19.8 in	850 mm	33.5 in

¹Height is from the lab bench to the top of the Injector Assembly. Includes height of the GC and the required mounting bracket.

***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
RTC 120	4 to 40°C (39 to 104°F)	< 95%, non-condensing
RSI 120	4 to 40°C (39 to 104°F)	< 95%, non-condensing
RSI 85	4 to 40°C (39 to 104°F)	< 95%, non-condensing
LSI 85	4 to 40°C (39 to 104°F)	< 95%, non-condensing



Power Consumption

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

Power Supply	Line Voltage	Frequency	Current
RTC 120	100-240 V AC	50-60 Hz	4 A
RSI 120	100-240 V AC	50-60 Hz	4 A
RSI 85	100-240 V AC	50-60 Hz	4 A
LSI 85	100-240 V AC	50-60 Hz	2 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