



Installation Note for External Tray (G1313-60004)

In this note we describe how to install the external tray for an Agilent 1100 Series standard or thermostatted autosampler.

General Information

The external tray, with and without disposal tube, can be installed in any Agilent 1100 Series autosampler. If it is operated with the Agilent 1100 Series thermostatted autosampler (G1327A) the door assembly has to be removed. Then, reduced thermostating performance must be taken into account.

The tray contains 17 vial and 1 hole position. The optional disposal tube (G1313-27302) allows the connection of the hole position with a waste basket for the disposal of vials after an injection. This feature is of special interest for customers with the MSD Anyone Software for LC/MSD (G2725AA).

System Requirements

Table 1

Required Firmware Revisions

	Control of vial positions	Control of vial and hole positions
Autosampler	A.03.31 and higher	A.03.31 and higher
Agilent ChemStation	A.04.01 and higher	A.04.01 and higher
Control Module	A.01.20 and higher	A. 02.02 and higher

Performance Specifications

Table 2

Performance Specifications

Standard and thermostatted autosampler:

Sample capacity 17 x 2 ml vials plus one hole position

Thermostatted autosampler only:

Because the door assembly has to be removed reduced thermostating must be taken into account

Delivery Checklist

Make sure all parts and materials have been delivered. The delivery checklist is shown in Table 3. Please report missing or damaged parts to your local Agilent Technologies sales and service office.

Table 3

Delivered Parts

Order/part No.	Description	Quantity
G1313-60004	External tray	1
G1313-27302	Disposal tube	1

Installing the External Tray

The installation is divided into the following steps:

- 1 Installation of the disposal tube (if ordered)
- 2 Installation of the external tray into the Agilent 1100 Series standard autosampler (G1313A)
- 3 Installation of the external tray into the thermostatted Agilent 1100 Series autosampler (G1327A)
- 4 Operation from the Controller

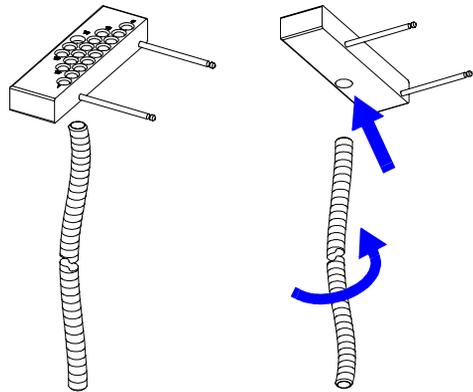
Tools required:

Screw driver (2 - 3 mm) or pair of tweezers

Stage 1: Installation of the disposal tube (if ordered)

Go to stage 2 if disposal tube is not ordered.

1 The disposal tube is installed into the external tray by turning and pushing it into the backside of the hole position, No. 18.

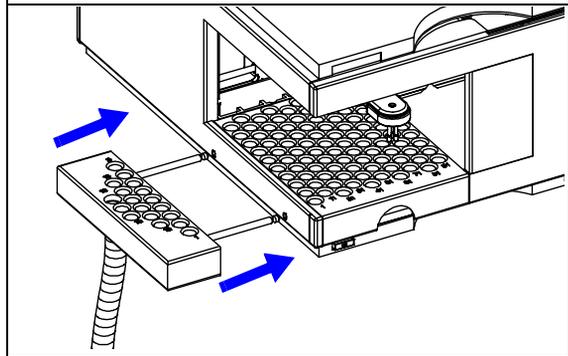


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Stage 2: Installation of the external tray into the Agilent 1100 Series standard autosampler (G1313A)

Go to Stage 3 if the system is equipped with the Agilent 1100 Series thermostatted autosampler (G1327A).

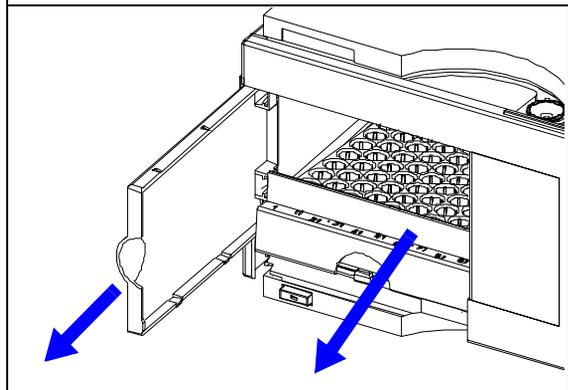
1 For installation of the tray just insert the fixing rods attached to it into the two holes present on the left side of the autosampler until you hear a “click” and it is firmly in position.



Stage 3: Installation of the external tray into the Agilent 1100 Series thermostatted autosampler (G1327A)

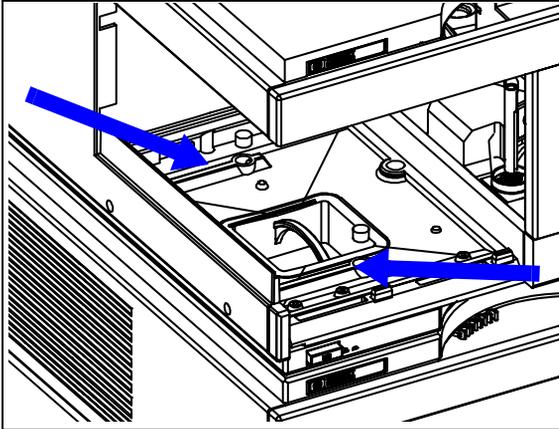
Go to Stage 4 if the system is equipped with the Agilent 1100 Series standard autosampler (G1313A).

1 Remove the autosampler's standard tray and the door.

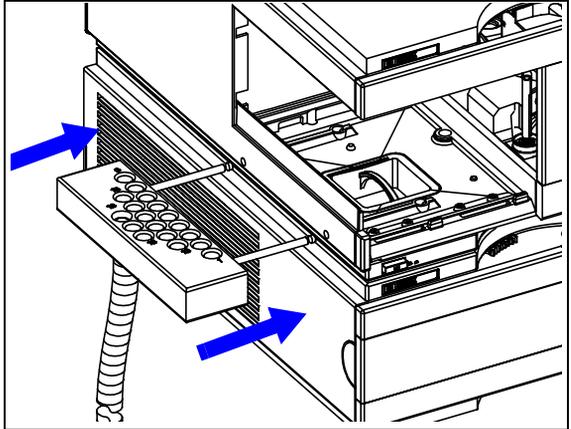


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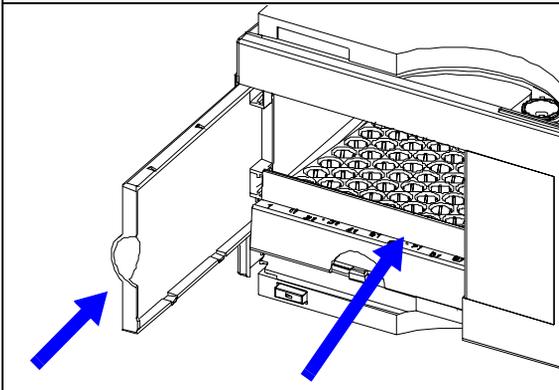
2 Remove the two rubber plugs from the tray base using a small screw driver or a pair of tweezers.



3 For installation of the tray just insert the fixing rods attached to it into the two holes present on the left side of the autosampler until you hear a “click” and it is firmly in position.



4 Install the autosampler's standard tray and the door.



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Stage 4: Operation from the Controller

Operation from Agilent ChemStation

- 1 In the command line type the following:

```
_LALS_EXTPOS=1
```

and then press ENTER.

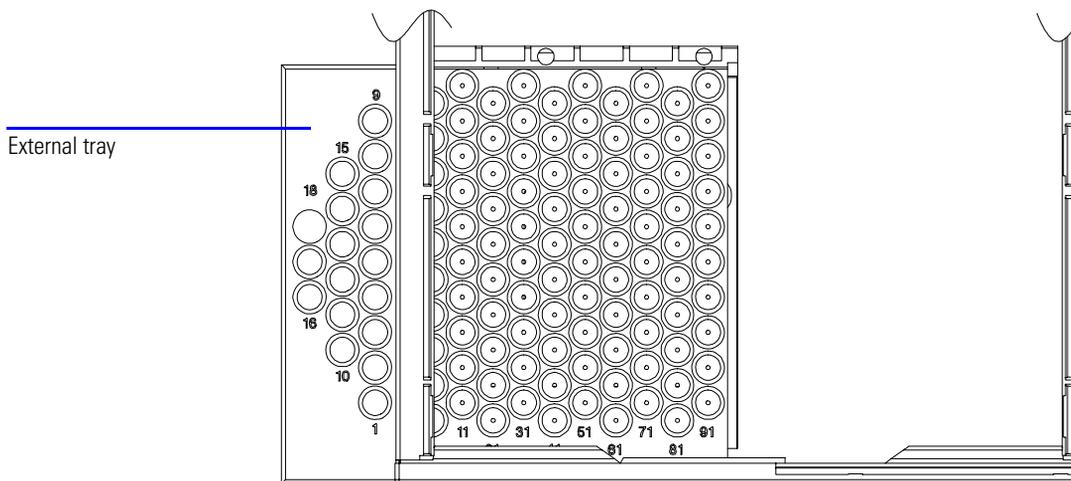
This enables to specify the numbers for the external tray's vial positions from which the sample will be drawn.

The following correlation between the vial's/hole's physical position in the tray and the Agilent ChemStation inputs exists:

Physical Position in Tray	ChemStation Input	Position type
1 - 17	201 -217	Vial
18	218	Hole

Figure 1

Vial Positions



- 2 For the automatic post-run disposal of the sample vial through the hole position 218 type and activate the following “Post-run command” in the “Run Time Checklist” of the method:

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```
Print sendmodule$(LALS, "MOVV 0,218")
```

If you substitute 0 for another number the respective vial will be disposed.

- 3 If you set up a sequence the method following the one with such a post run command for the vial disposal must have the following "Pre-run command":

```
Sleep 20
```

This will give the autosampler sufficient time to dispose the vial before the Agilent ChemStation starts the new run.

Operation with Control Module

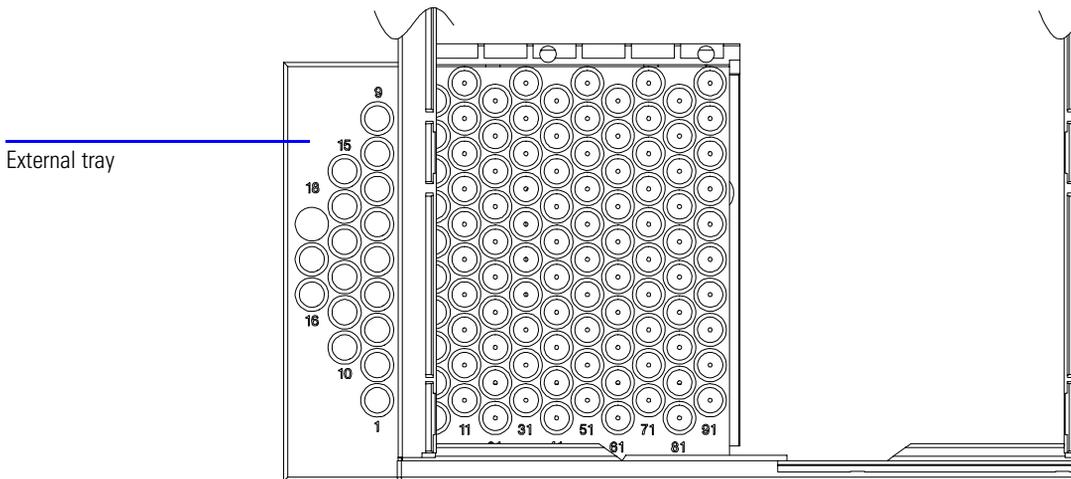
- 1 The following correlation between the vial's/hole's physical position in the tray and the Agilent Control Module inputs, e.g. in the vial range section of the Analysis screen exists:

Physical Position in Tray	Control Module Input	Position type
1 - 17	201 -217	Vial
18	218	Hole

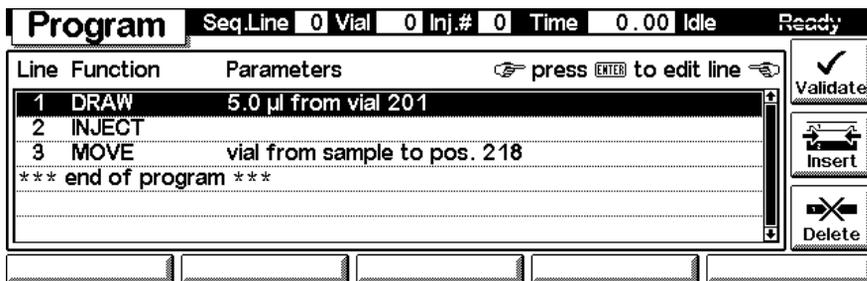
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Figure 2

Vial Positions



- 2 For the disposal of the vial after the analysis set up an injector program as shown in the example below and store it with the method:



Meaning of the lines:

- 1: Draw up 5 µl from vial 201
- 2: Inject the 5 µl
- 3: Dispose vial 201 through hole in position 218

