Multi-wash Infinity II Upgrade Kit (G4757A)

Installation Note

In this note we describe how to install the Multi-Wash Infinity II Upgrade Kit (G4757A) into an Agilent 1200 Infinity II Series multisampler.

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Agilent Technologies
General Information

The multi-wash upgrade kit is designed for low carry over and can be installed in any Agilent 1200 Infinity II Series multisampler. With the multi-wash kit you can minimize carry over for critical samples. You can either reduce the carry over by washing the outer needle surface with the choice of three different wash solvents or you back flush the needle seat and the rotor seal with the appropriate solvents. This integrated feature reduces the carry over to less than 9 ppm.

Figure 1 Valve in bypass, needle backflush (Multiwash)

NOTE: If the multisampler multi-wash option is installed you will lose the ability to do multi-draw.
Delivery Checklist

Make sure all parts and materials have been delivered with the upgrade kit. Report missing or damaged parts to your local Agilent Technologies sales and service office.

<table>
<thead>
<tr>
<th>p/n</th>
<th>Description</th>
<th>Qty</th>
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<tr>
<td>G4267-68708</td>
<td>Drain Management Kit</td>
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<tr>
<td>G4267-60049</td>
<td>Flush Head 500ul</td>
<td>1</td>
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<td>5067-5942</td>
<td>Flush Pump SST-Capillary 250x0.25</td>
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<td>G4220-60007</td>
<td>Bottle Head Assembly</td>
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<td>G4267-60008*</td>
<td>Hydraulic Multi Wash</td>
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<tr>
<td>G4267-60081</td>
<td>Tubing Kit Sampler Multi-wash</td>
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*this is an internal partnumber and not orderable
Installing the Multi-Wash Upgrade Kit

The installation of the upgrade kit is divided into three parts, removing of the standard hydraulic box, configure and installing the multi-wash hydraulic box, plus configure the new multi-wash feature in the CDS.

Tools required
1/4 inch wrench
2.5 mm hex key
4 mm hex key

Removing of the Hydraulic Box

1. Go to the maintenance function (Agilent LabAdvisor or control module) and select Change Piston / Change Seal. Wait until the metering drive is in the rear position.
2. Switch off the instrument
3. Remove the capillaries, the tubing and the leak sensor which are connected to the hydraulic box.

4. Remove the injection valve and the analytical head from the standard hydraulic box. For further info check the service manual.
5. Lift the clip and pull out the standard hydraulic box out of the mainframe standard hydraulic box

Installing of the Hydraulic Box

1. Check the revision of the drain management kit especially the washport tubing. If necessary upgrade the complete drain management kit. For further info check service manual.

2. Install the injection valve and the analytical head from the standard hydraulic box into the multiwash hydraulic box
2. Slide in the whole new multi-wash hydraulic unit.

3. Reinstall the capillaries, the tubing and the leak sensor which are connected to the hydraulic box.

4. Prime the tubing with appropriate wash solvent and run Prime to Seat and prime to Wash port for at least 30 sec.

5. Perform a pressure test in LabAdvisor.
Configuration of the Multi-wash in the CDS

The configuration of your controller is not necessary to enable the multi-wash mode. In the GUI you will see the new multi-wash icon.

OpenLab Configuration C.01.06 and above

1. Select **Instrument** in the menu.

2. Select **Setup Instrument method**.

3. Mark the execute **multi-wash** check box.

4. Specify the duration of your solvent S1, S2 and S3 in the multi-wash table.

Note: For the OpenLab CDS LC driver A.02.11 or higher is required
Control Module (G4208A) Configuration

1. Press Control and select Prime/Auto clean the tubing with appropriate wash solvent.

2. Press Method and select the multi-wash and configure your wash method.

3. Configure your wash method by selecting the appropriate wash solvents.

Note: For the Instant Pilot G4208A Firmware B.02.19 or higher is required.