This Technical Note describes the use and installation of the Infinity II Cooler/Thermostat Condensate Drainage Tubing Kit.

Delivery Checklist

Condensate Drainage Kit (5067-6208) contains:

<table>
<thead>
<tr>
<th>Item</th>
<th>#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Condensate Collector</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>Single Drain Connector</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
<td>Washer, ST, ID/OD 3.2/9 mm</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>Tubing, silicon rubber 2.16 m, ID/OD 6/9 mm (pre-cut)</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>Tubing connector, Y-shaped, ID 6.4 mm (with a 60 and 100 mm premounted tubing piece)</td>
</tr>
<tr>
<td>6</td>
<td>1</td>
<td>Tubing connector, 90 °, ID 6.4 mm</td>
</tr>
<tr>
<td>7</td>
<td>1</td>
<td>Tubing holder clip, 19 x 19 x 8 mm</td>
</tr>
</tbody>
</table>

Figure 1  Content of Condensate Drainage Kit (5067-6208)
Setup With the Condensate Collector Funnel for Bench Installations

### Tools required

<table>
<thead>
<tr>
<th>p/n</th>
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</tr>
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<tbody>
<tr>
<td>8710-1622</td>
<td>Torx screwdriver T15</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>5023-3089</td>
<td>Torx key set</td>
</tr>
</tbody>
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### Parts required

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**NOTE**
The setup with the condensate collector funnel is suitable for bench installations only.

**NOTE**
The condensate collector funnel is not suitable for Flex Bench systems or when the sampler is the lowermost module in a bench installation.

1. Attach the condensate tube to the outlet port of the condensate collector funnel.
Installation of the Condensate Drainage Kit

2 Mount the drain connector on the condensate drainage outlet tube. Ensure the correct orientation of the spout.

3 Remove the screw situated above the condensate drainage outlet tube.
4 Place the washer over the thread of the screw (1). Screw the screw and washer halfway into the hole in the back of the cooler/thermostat (2).

5 Position the condensate collector funnel underneath the condensate drainage outlet tube (1) and fix it to the back of the cooler/thermostat by tightening the screw (2). Ensure correct orientation and avoid over-tightening the screw.
Installation of the Condensate Drainage Kit

6 Shorten the condensate tube so that it runs straight into the waste container without any unnecessary detour (1). If needed, use the 90° tubing connector provided in the kit to eliminate uphill sections, which might occur at the edge of the bench (2). Agilent recommends the use of a separate canister for condensate collection to avoid drainage problems (3).
7 Ensure that the tubing runs straight into the waste canister without any bends or joints and it is not hindered by any mechanical obstacle. Agilent recommends using a 6 L waste canister equipped with a suitable InfinityLab Stay Safe cap for optimal condensate handling. If you decide to use your own waste solution, make sure that the tubes don't immerse in the liquid.

**NOTE**
Depending on the ambient conditions in the lab, the amount of condensate can vary from 200 mL to 2 L per day. Do not fill the waste container for the condensate to the top. Regularly empty the waste container.
Setup with the Y-piece Tubing Connector for Bench Installations and Flex Bench Systems

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<td>Tubing connector, 90 °, ID 6.4 mm</td>
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**NOTE**
The setup with the Y-piece tubing connector is equally suitable for bench installations and Flex Bench systems.

**NOTE**
Agilent Infinity II autosamplers with a cooler/thermostat installed should not be used as the lowermost module in an HPLC stack to ensure adequate condensate drainage.

1. Attach the condensate tube to the free end of the Y-piece tubing connector.
2 Adhere a tubing holder clip to the side of the cooler/thermostat where the condensate drainage outlet tube is situated. Ensure a distance of 20 mm from the bottom edge.

3 Mount the shortest tube (60 mm) of the condensate tubing with the Y-piece on the condensate drainage outlet tube and fix the venting tube (100 mm) in the tubing holder clip.
4 Ensure that the condensate handling system is installed in a way that allows a continuous slope for the drained liquid. Horizontal or uphill sections may hinder the drainage.
Installation of the Condensate Drainage Kit

5  Shorten the condensate tubing so that it runs straight into the waste container without any unnecessary detour (1). If needed, use the 90° tubing connector provided in the kit to eliminate up-hill sections, which might occur at the edge of the bench (2). Agilent recommends the use of a separate canister for condensate collection to avoid drainage problems (3).

a  Routing the condensate tubing for bench installations.
Installation of the Condensate Drainage Kit

b  Routing the condensate tubing for a Flex Bench system.
6 Ensure that the tubing runs straight into the waste canister without any bends or joints and it is not hindered by any mechanical obstacle. Agilent recommends using a 6 L waste canister equipped with a suitable InfinityLab Stay Safe cap for optimal condensate handling. If you decide to use your own waste solution, make sure that the tubes don't immerse in the liquid.

**NOTE**
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