Installation of the Exhaust-Tube-Adapter to an Agilent 1260 Infinity Fraction Collector

The exhaust tube adapter offers you the capability to connect your Agilent 1260 Infinity Fraction Collector (G1364A/B/C/D) to a laboratory's venting system, allowing the adaptation of a tube (not included) with an ID greater than 40 mm to your fraction collector.

<table>
<thead>
<tr>
<th>Parts required</th>
<th>p/n</th>
<th>Description</th>
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<tbody>
<tr>
<td></td>
<td>G1364-68708</td>
<td>Exhaust-Tube-Adapter</td>
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<td>Exhaust tube (not provided with the adapter, tube ID must be greater than 40 mm, mechanically stable, leak tight and resistant to the solvents used in your system)</td>
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</table>

**WARNING**

**Improper installation**

**Hazardous conditions or malfunctioning**

- Read the instructions carefully.
- Installation to lab venting systems should be done by trained personnel, only in compliance with the herein stated requirements.
- It will require an authorized / trained air condition / vent system engineer to correctly setup and install the connections to the vent system.
- The exhaust tube (not provided with the system) must be mechanically stable, leak tight and resistant to the solvents used in your system.

**WARNING**

**Overpressure in the vent system**

The vent system pushes vapors from the vent system into the laboratory.

- To avoid explosive concentrations of organic solvent vapours always connect the exhaust tube to the laboratory's venting system. A minimum air flow of 10 m³/h through the exhaust tube is required.
- The pressure in the vent system must always be lower than the pressure in the laboratory where the equipment is operated.

**NOTE**

An air flow through the vent tube greater than 10 m³/h reduces the cooling performance of a thermostatted instrument and increases the evaporation of solvents in your fraction vessels.

**WARNING**

Flow of organic solvents or vapors through isolating tubes generally results in the accumulation of electrostatic energy

**Ignition of flammable solvent vapors**

- Always ground the venting tube, the analytical equipment and the venting system.
1. Locate the holding screw of the power supply at the center-bottom of the rear side of the fraction collector.

2. Remove the screw.

3. Attach the exhaust tube adapter to the top slits of the rear fan exhaust grid with an angle of about 90 degrees.

4. Push the adapter into the grid and turn it downwards, so that its latch covers the hole of the previously removed power-supply holding screw.

5. Replace the power supply holding screw, securing the adapter latch to the rear of the fraction collector.

Next Steps

6. Obtain and attach an exhaust tube.

7. Fix the exhaust tube to the adapter with an appropriate connector (for example hose clamp).

8. Ground the exhaust tube.

9. The other outlet of the exhaust tube must be installed in a fume hood or connected to a vent system in a way, that the resulting air flow through the exhaust tube is at least 10 $\text{m}^3/\text{h}$. 

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