

Installation of the G1364-68708 EXHAUST-TUBE-ADAPTER to an Agilent 1100 Series Fraction Collector

The exhaust tube adapter offers you the capability to connect your Agilent 1100 series fraction collector (G1364A) 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.

CAUTION

Please read the following instructions carefully to avoid malfunctioning or hazardous conditions resulting from improper installation. Installation to lab venting systems should be done by trained personnel, only in compliance with the herein stated requirements.

WARNING

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, because an overpressure in the vent system would push the vapors from the instrument or vent system into the laboratory.

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

To avoid the risk of electrostatic discharge, which may result in the potential ignition of flammable solvent vapors, always ground the venting tube, the analytical equipment and the venting system.

Flow of organic solvents or vapors through isolating tubes generally results in the accumulation of electrostatic energy (electrostatic charging of metal parts, especially). To avoid electrostatic discharge ALWAYS connect the venting tube to grounded venting systems.

Installation:

- Locate the holding screw of the power supply at the center-bottom of the rear side of the fraction collector (1).

- Remove the screw.
- Attach the exhaust tube adapter to the top slits of the rear fan exhaust grid with an angle of about 90 degrees (2).
- 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 (3).
- Replace the power supply holding screw, securing the adapter latch to the rear of the fraction collector (4).
- Obtain and attach an exhaust tube (**tube ID must be greater than 40 mm**) to the adapter. An exhaust tube is NOT provided with the G1364-68708 Exhaust-Tube-Adapter. The exhaust tube must be mechanically stable, leak tight and resistant to the solvents used in your system.
- Fix the exhaust tube to the adapter with an appropriate connector (e.g. hose clamp). Ground the exhaust tube, see WARNING on page 1!
- 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 m³/h.

CAUTION

It will require an authorized / trained air condition / vent system engineer to correctly setup and install the connections to the vent system.

Figure 1

Installation of the Exhaust Tube Adapter to the Agilent 1100 Series Fraction Collector

