

# TRACE 1310 Auxiliary Oven: Split Fitting for Auxiliary Gas - Installation Note

This note provides installing the kit P/N 19071018 for the use of one channel of the auxiliary gas module for controlling a split flow.

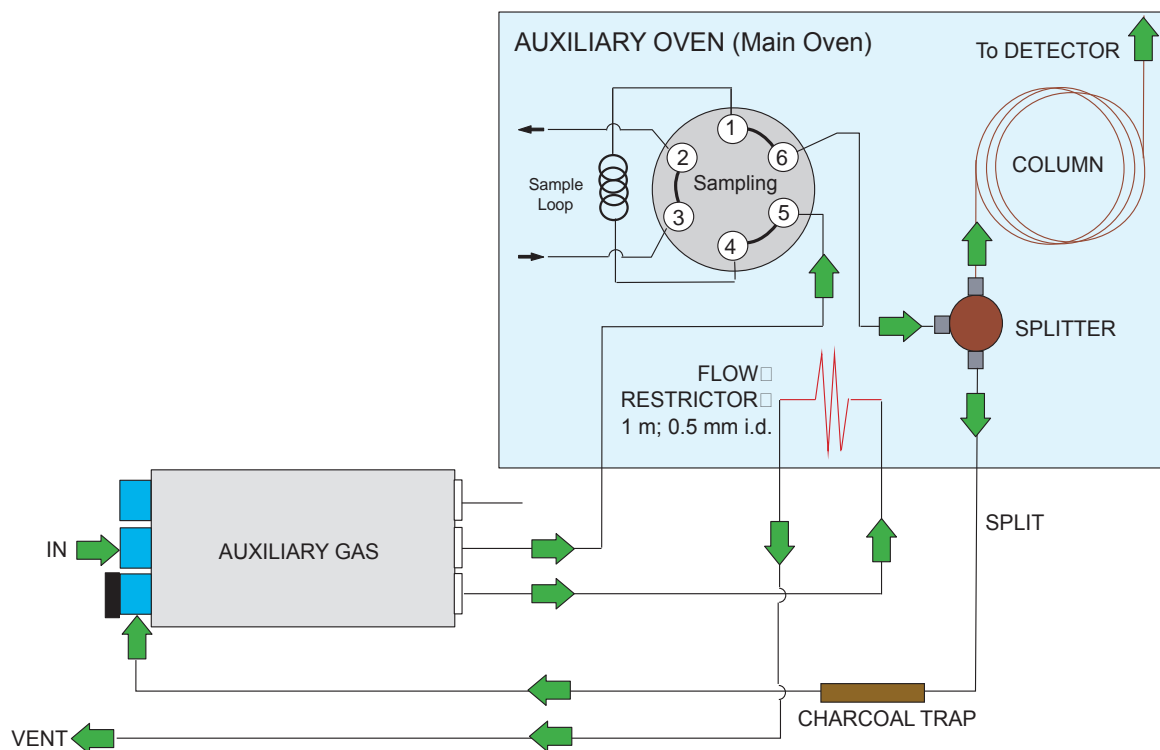
## Contents

- [Introduction](#)
- [Installing the Split Option Kit](#)
- [Notes](#)

## Introduction

The auxiliary carrier module provides three pressure channel controls, but each channel can be also used as flow controller by adding a flow restrictor. A particular case is using one of the channels for controlling split flow from a splitter. See the pneumatic circuit in [Figure 1](#).

**Figure 1.** Splitter Pneumatic Circuit



## Installing the Split Option Kit

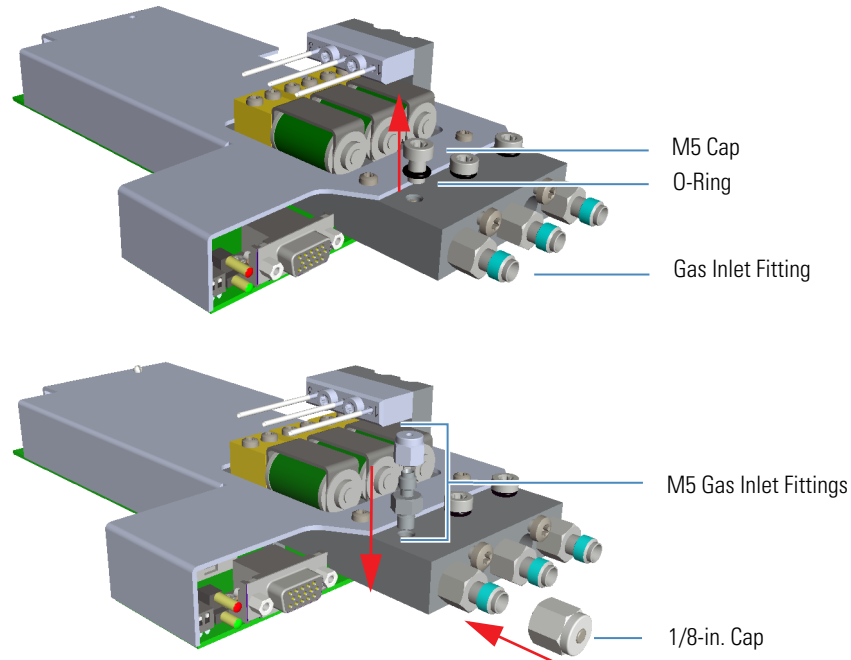
This section provides instruction for installing the split option kit into the TRACE 1310 Auxiliary Oven.

### ❖ To install the split fitting option

1. Power off the GC and the TRACE 1310 Auxiliary Oven.
2. Remove the L-shape cover of the Auxiliary Oven.
3. Remove the L-shape cover of the main oven to access its interior.

4. Modify the gas inlet port of the channel for controlling split flow by plugging the gas inlet fitting with the provided 1/8-in.cap.
5. Replacing the M5 cap with a M5 gas inlet fittings. See the example in [Figure 2](#).

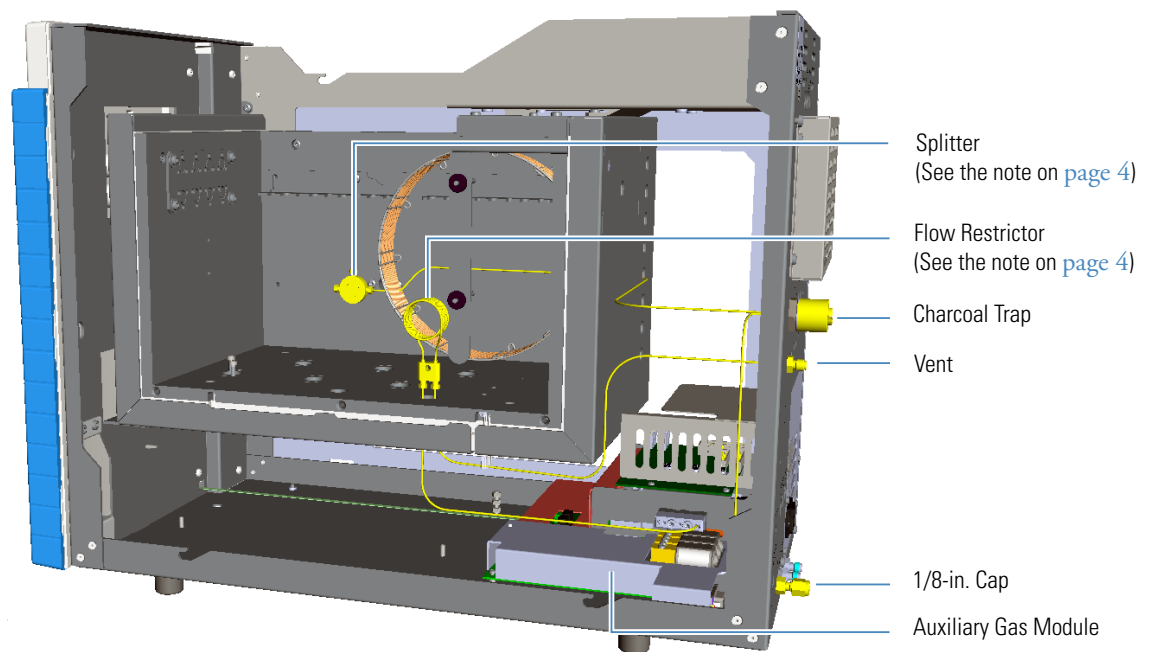
**Figure 2.** Channel Modification



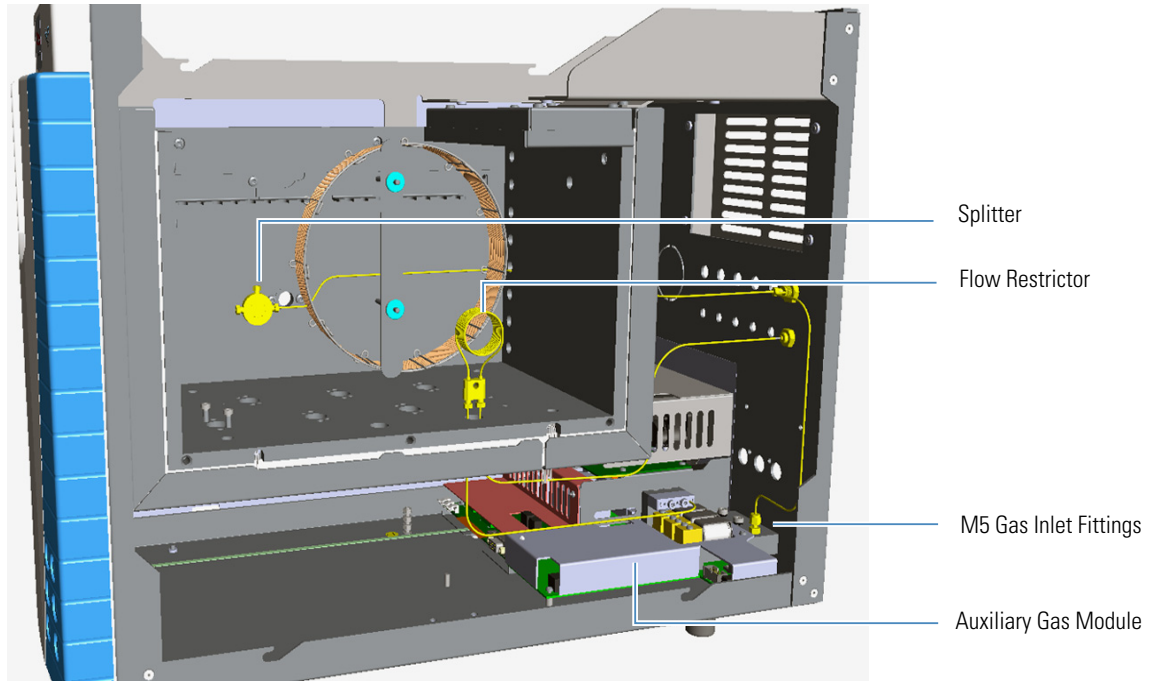
6. You can position the splitter and flow restrictor at your convenience inside the TRACE 1310 Auxiliary Oven according to the pneumatic circuit in [Figure 1](#).

[Figure 3](#), [Figure 4](#), and [Figure 5](#) shown an example of installation of the kit in three views. The components of the kit are highlighted in yellow.

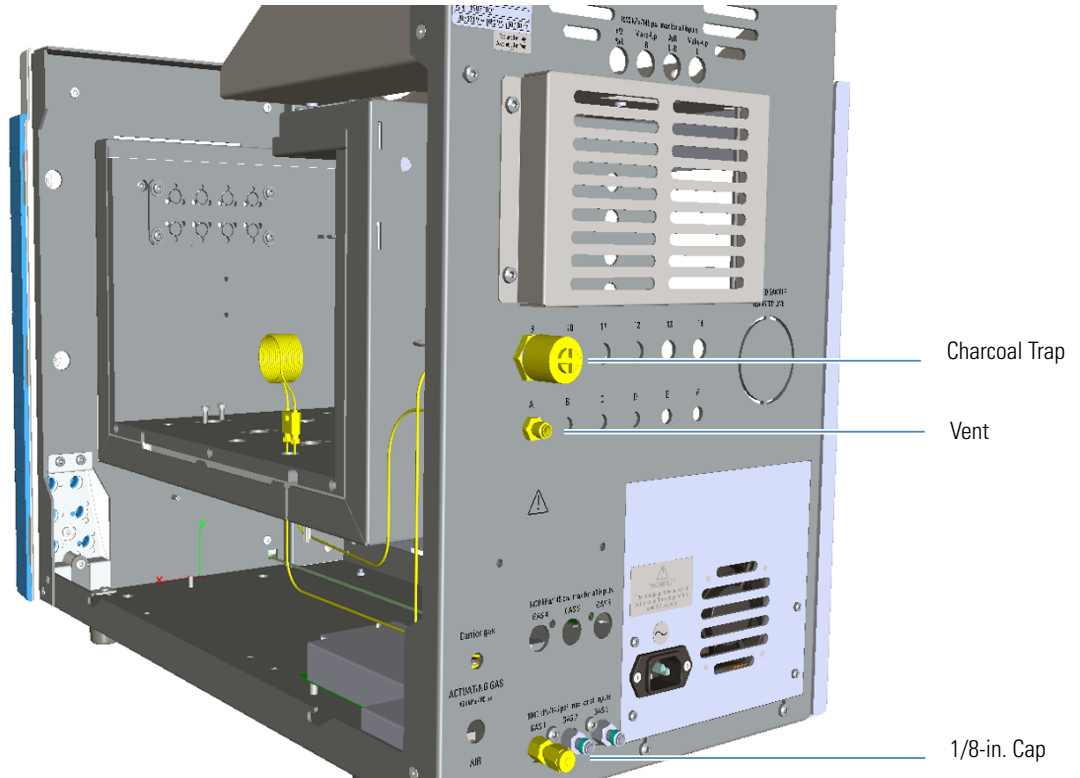
**Figure 3.** Example of Kit Installation - First View



**Figure 4.** Example of Kit Installation - Second View



**Figure 5.** Example of Kit Installation - Third View



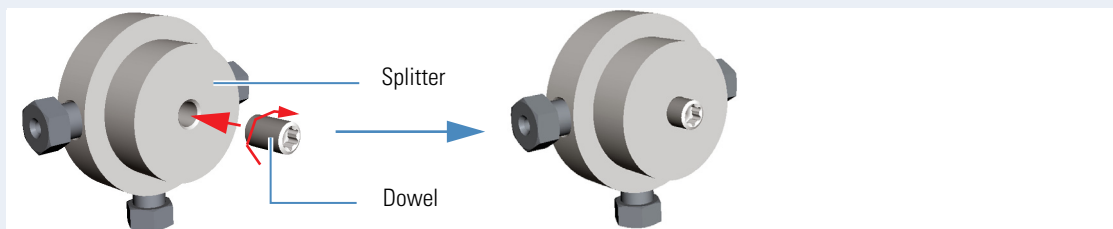
**Note** It is important that the flow restrictor is installed inside the aux oven and kept at regulated temperature. This will guarantee the flow stability.

## Notes

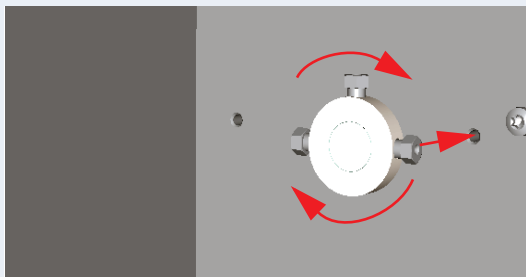
### Note Installation of the splitter:

The previous figures shown an example of installation of the splitter into the main oven. You can place the splitter in a position that you feel more convenient based on the system configuration. If you want to install the splitter on a wall of the main oven as shown in the figures, proceed as follows:

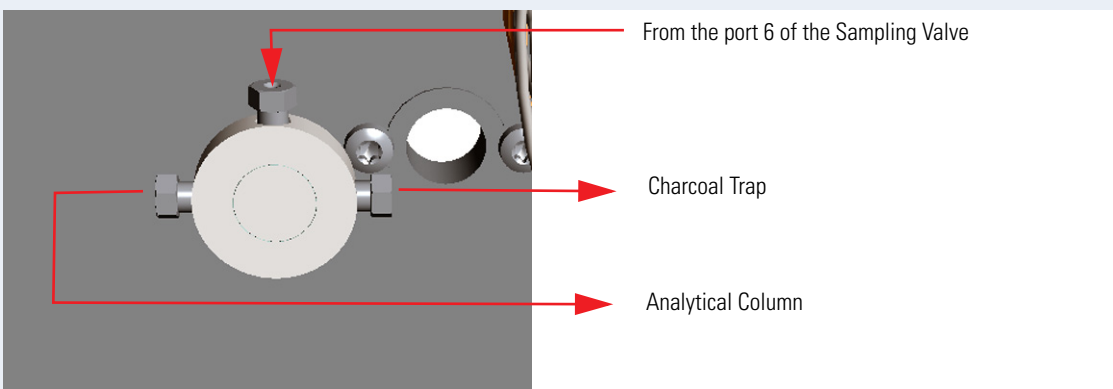
Screw the dowel provided into the central hole of the splitter using a T8 Torxhead wrench. Stop the screwing of the dowel when it starts to grip the mixer; the dowel must protrude few millimeters from the central hole of the splitter, do not overtighten.



Screw the splitter into a hole provided on the wall of the main oven



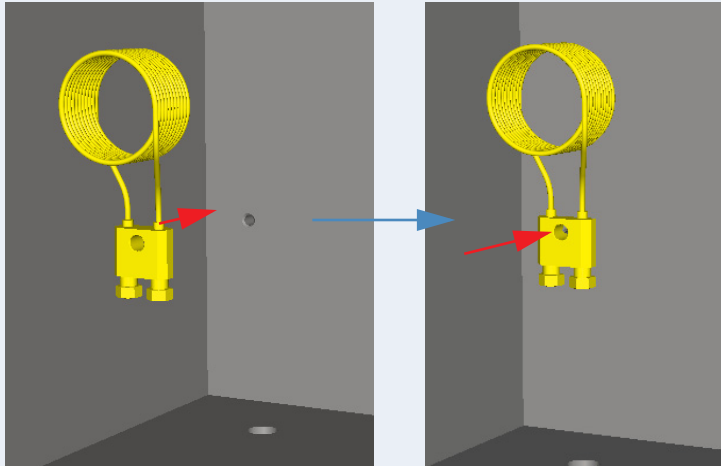
Connect the splitter to the pneumatic circuit according to the scheme on [page 1](#).



**CAUTION** To install the capillary column to the splitter, replace the steel ferrule inside the splitter with the appropriate Vespe<sup>l</sup> ferrule provided with the kit.

**Note** Installation of the flow restrictor:

The previous figures shown an example of installation of the flow restrictor into the main oven. The flow restrictor can be secured to the holes available.



Connect the flow restrictor to the pneumatic circuit according to the scheme on [page 1](#).