

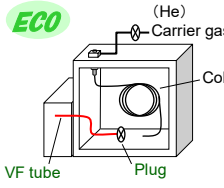
Vent-free GC/MS Adapter

Vent-free GC/MS Adapter¹⁾ is a simple and useful interface used for GC/MS analysis and allows switching of a GC separation column while the MS detector is in operation by connecting a highly deactivated capillary tube between the separation column and the MS detector. Changing columns takes only a few minutes.

The Vent-free GC/MS Adapter is especially useful when a Py-GC/MS separation column and a capillary tube for evolved gas analysis (EGA) are switched between analysis using a Multi-Shot Pyrolyzer. The Vent-free GC/MS Adapter is engineered and manufactured by Frontier Laboratories.

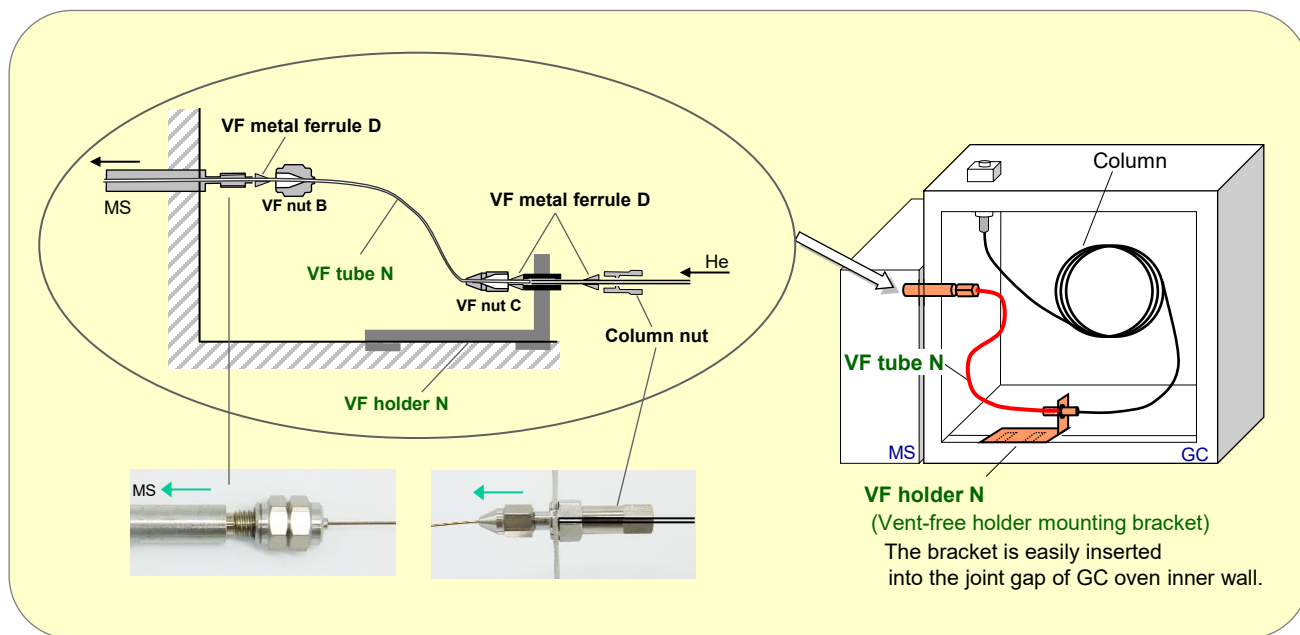
1) C. Watanabe, et al., Anal. Sci., 2011, 27(11), 1087

Features

- It allows fast switching of a separation column and/or an EGA tube without venting the MS detector which saves time and increases productivity.
- When the GC/MS is not in use, attach a plug at the VF holder N as shown in the figure on the right. This will greatly save the consumption of the carrier gas.
 
- The VF tube is rugged and inert and will not absorb polar species when in use.
- Vent-free GC/MS Adapter is easily installed by users.

Specifications

- Supported GC/MS
 - ◆ Part number: MS402280 (1 set)
Agilent: 5977, 5975 series
Shimadzu: QP2050, QP2030, QP2010 series
JEOL: Q1600, Q1500 series
Thermo Fisher: TRACE1610/1600/1310/1300 GC
 - ◆ Part number: MS402295 (1 set)
PerkinElmer: GC/MS 2400 series, Clarus series
*Please contact us for information regarding other models.
- Maximum temperature: 400 °C (320 °C for MS402290)
- Column: Ultra ALLOY[®] (0.15 / 0.25 mm i.d.)
Fused Silica (0.25 / 0.32 mm i.d.)



Flow diagram of Vent-free GC/MS Adapter connected to a GC/MS