

Vent-free GC/MS Adapter

A simple interface used with Py-GC/MS allowing facile switching of separation columns.

Vent-free GC/MS Adapter¹⁾ is a simple and useful interface used for GC/MS analysis, and allows switching of GC separation columns while the MS detector is in operation by connecting a highly deactivated capillary tube (id 0.15mm, length 50cm) between the separation column and the MS detector to protect the MS detector

from being open to air.

It is especially useful when Py-GC/MS separation column and capillary tube for the evolved gas analysis (EGA tube) are switched one another in analysis with a Multi-Shot Pyrolyzer.

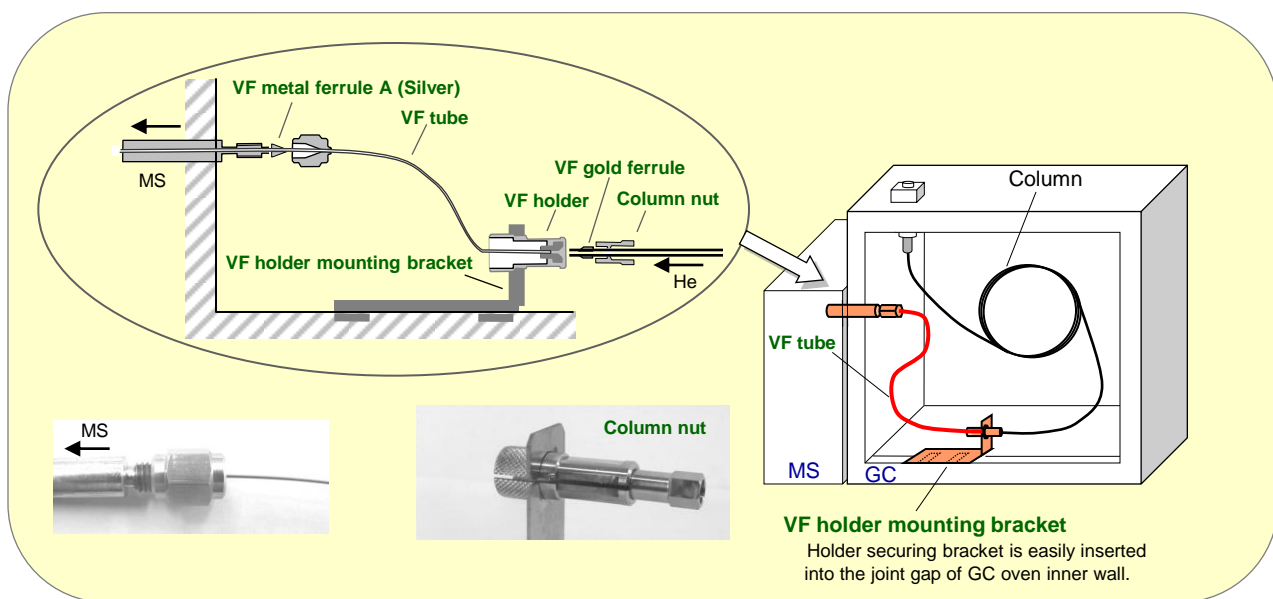
1) C.Watanabe, et al., Ana. Scie., 2011, 27(11), 1087

Features

- It allows switching of separation column and EGA tube without the MS detector open to air, resulting in reduced working hours. (MS can be used daily analysis as a high-performance detector similarly to FID.)
- VF tube will not be broken nor will it absorb polar species when in use.
- Vent-free GC/MS adapter is easily installed by users.

Specification

- Supported GC/MS
 - [P/N: MS402180]
 - Agilent (5975, 5973)
 - Shimadzu (QP2010)
 - JEOL (K9, etc.)
 - [P/N: MS402190]
 - Thermo Fisher (DSQ, ISQ series)
 - Other Quadruple GC/MS
- Maximum temperature: 400°C
- Column
 - Ultra ALLOY™ (0.15 / 0.25 mm i.d.)
 - Fused Silica (0.25 / 0.32 mm i.d.)



Flow diagram of Vent-free Adapter to GC/MS



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