

Sample Preparation Product

FM4: Air Sampler for PFAS

Overview

Air Sampler for PFAS(FM4) is new Low Volume Air Sampler which you can analyze PFAS in the particle and gas in one sampling. You can achieve comprehensive analysis in one sampling because each stage of it has optimized material and configuration for each target substance.

What's PFAS

PFAS (per- and polyfluoroalkyl substances) are groups of synthetic fluorinated chemicals.

They are extensively used in various industrial and consumer products because of their extraordinary thermal stability, chemical stability, surfactant properties, etc..

However, some substances in PFAS are regulated by the Stockholm Convention (POPs Convention). There are thousands of types of PFAS in the environment, and there is still little data in the ambient air, so it is necessary to urgently clarify the actual situation.



Product Appearance (FM4)



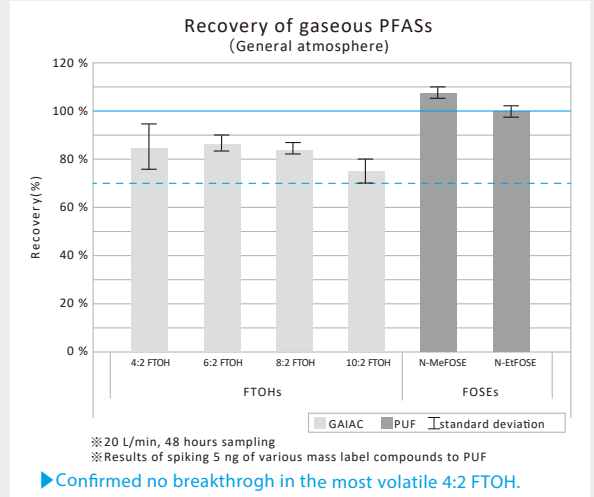
Cascade Impactor
Particulate PFAS



Polyurethane Foam (PUF)
Particulate PFAS
Gaseous PFAS



Activated Carbon Fiber Disk (GAIAc)
Gaseous PFAS



Feature

Comprehensive Sampling Device

Both a particulate substance and a gaseous substance can be collected simultaneously with one compact sampler. Since it is possible to evaluate the collection amount for each material, comprehensive evaluation is possible.

Capable of Collecting Gaseous PFAS (FTOH, etc.)

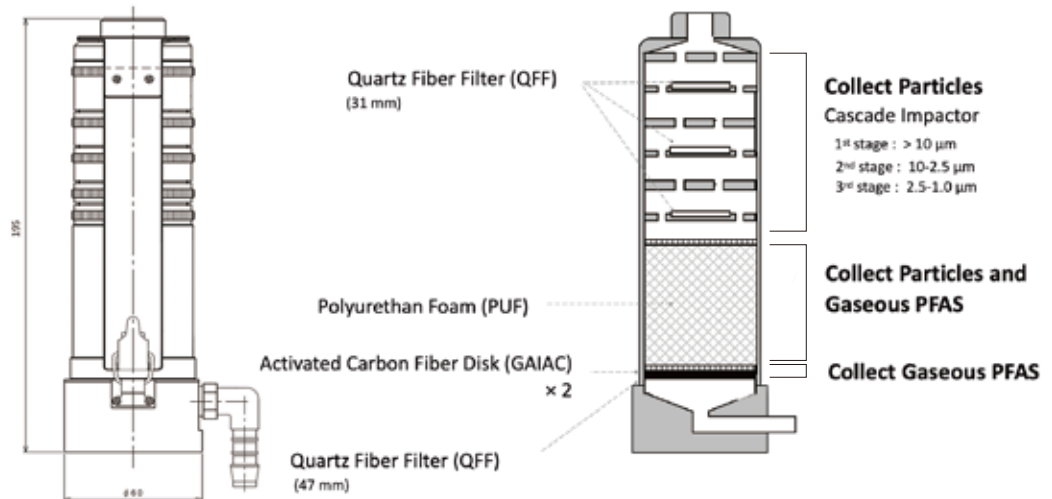
The collection of gaseous PFASs in the air, which was difficult to collect, is now possible with the newly activated carbon desorption material.

Excellent Recovery

We have achieved recovery rates for various PFAS

Compact and Portable

A lightweight and compact air sampler that is easy to carry and does not take up much floor space.



Sampler

| Cat.No. | Item | Qty. | Specifications |
|------------|------|-------|--|
| 1050-13015 | FM4 | 1 set | Material : Aluminium (anodizing treatment) Dimension : 60 mm x 195 mm Weight : approx. 900 g Connection : Rc 1/4" |

Consumables

| Cat.No. | Item | Qty. | Specifications |
|------------|--|----------------------|------------------------|
| 1050-13022 | Quartz Fiber Filter QFF31 | 100 pcs | Impactor section 31 mm |
| 1050-13023 | Quartz Fiber Filter QFF47 | 100 pcs | Back up 47 mm |
| 1050-13021 | Polyurethane Foam PUF4750 | 10 pcs | 47 mm x 50 mm |
| 1050-13020 | Active Carbon Fiber Disk (GAIAc FF047) | 20 pcs / (9x x 100μ) | 47 mm x 2 mm |

When using it outside, put it in a place rain cannot enter inside.
This product does not include a sampling pump.

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