

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)



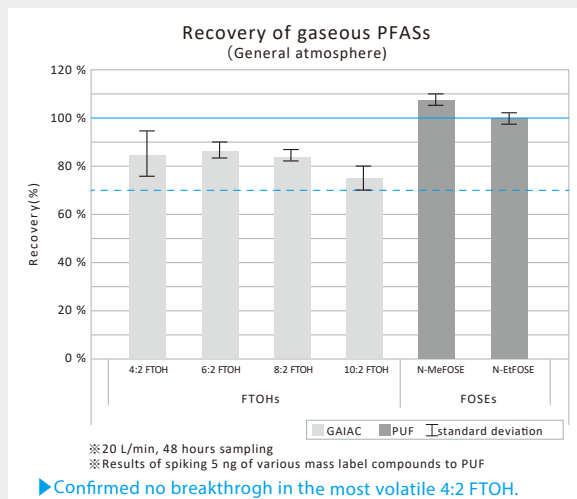
Cascade Impactor  
Particulate PFAS



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.)

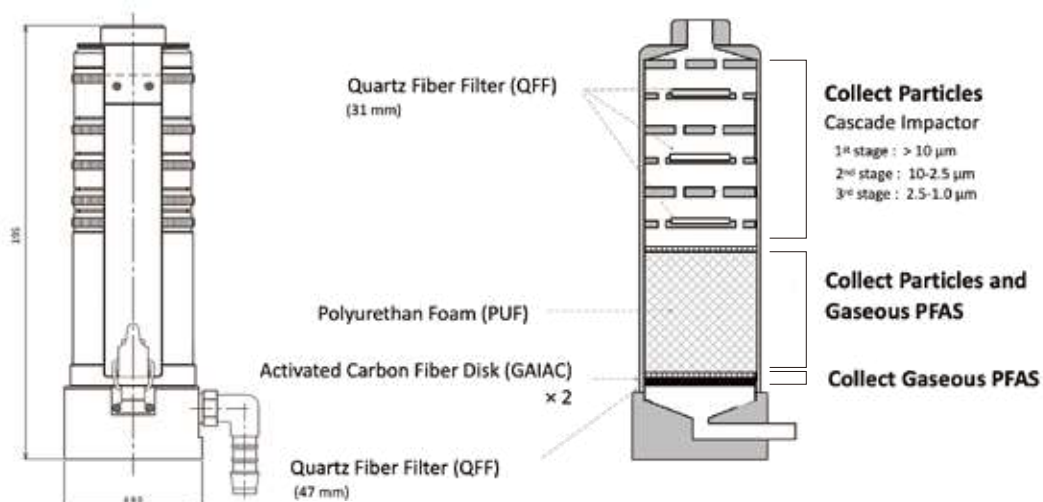
The collection of gaseous PFASs in the air, which was difficult to collect, is now possible with the newly activated carbon desorption material.

### 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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