

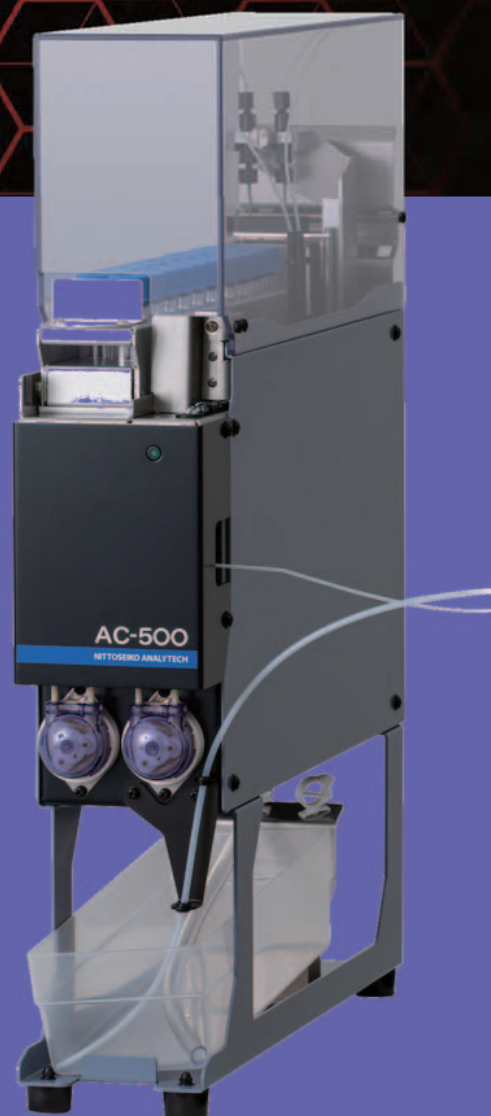
# **AQF SERIES OPTION**

## **Absorption solution collector**

### **AC-500**

Automation of sample decomposition, gas absorption and preparative isolation for absorption solutions

Collected solutions can be analyzed by any analytical methods



**Nittoseiko Analytech**

# AC-500

## ☆ Absorption solution can be stored

- When a measurement result is unexpectedly high, collected absorption solution can be diluted for reanalysis.
- Combustion can be performed continuously without IC.
- Absorption solutions can be analyzed by other methods than IC.
- Efficient operation is possible, for example, absorption solution can be prepared during the day and IC measurements can be performed at night.

## Measured values before and after collection

Sample: (4-Chloro-3-Trifluoromethyl)

Phenylthiourea (SP-58)/ ethanol solution

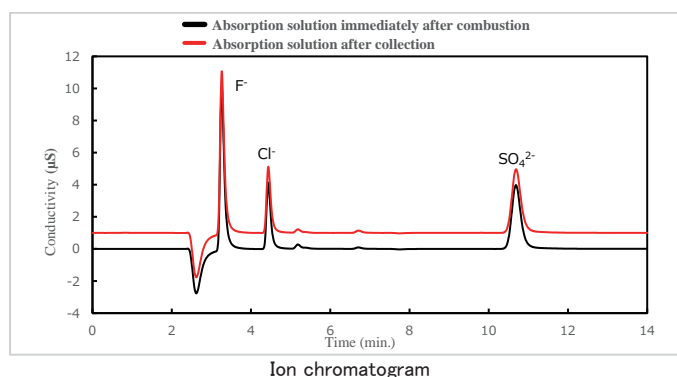
(F: 184.8 µg/mL, Cl: 114.9 µg/mL, S: 103.9 µg/mL)

Element	Measured value (µg/mL)			
	Absorption solution immediately after combustion	Recovery rate	Absorption solution after collection	Recovery rate
F	184	100	184	99
Cl	115	100	115	100
S	105	101	104	100

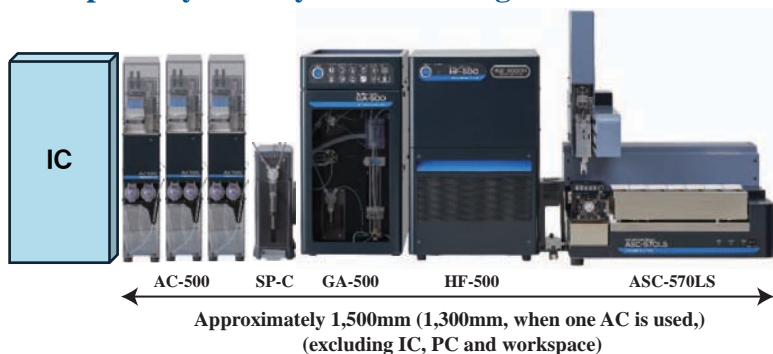
## Collection volume by AC-500

Unit: mL

Sensor position	IC After measurement -Collection	Collection only
Low	2	5
Middle	5	6
High	6	6



## Example of system layout connecting 3 units of AC-500



## Specifications

Number of sample	20 bottles (10 mLvial)
Dimensions	Approx. 90W×400D×500H mm
Weight	Approx. 10 kg
Power resource and consumption	DC24 V 50 VA Supplied by GA-500
Expanded function	Up to 3 AC-500 to a system

**Note:** Follow instructions in manuals to correctly install, connect and operate the instruments. Contents of catalogues are subject to change without prior notice when improvements are made in performance. The actual color of the goods may appear different from color printed. All screen images are simulated.  
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