

## Fat Extractor (Hydrolysis)

### Product Brief

The automatic fat hydrolytic analyzer is composed of acid hydrolysis method, alkali hydrolysis method (Royal Gothic method), Babcock method and Geber's method. It is applicable to the determination of total fat and fatty acid in solid, semi-solid and liquid samples (including free fat and combined fat). It is widely used in the determination of fat in various samples of food, meat, dairy, dairy, beverage, feed, medicine and other industries and the pretreatment of various samples with similar processing process.



### Parameters and configuration

1	Temperature control	PID
2	Control accuracy	$\pm 0.1^{\circ}\text{C}$
3	Heating temperature	The water, room temperature - $100^{\circ}\text{C}$ , and other medium is determined according to the melting point of heating medium
4	Reagent addition accuracy	0.01mL
5	Reagent adding speed	11ml/s
6	Number of reagent channels	Independent 6-channel
7	Kinematic accuracy of mechanical arm	40 $\mu\text{L}$
8	Sample size	6 / batch
9	Specification of extraction bottle	236mL
10	Specification of collecting bottle	232mL
11	Weight	35kg
12	Size	L*H*W 800*350*620
13	Heating power	2000W
14	Maximum power in unheated state	80W
15	Power specification	220V $\pm 10\%$ , 50Hz $\pm 5\%$

## **To configure**

1 main machine, 6 extraction bottles, 6 collecting bottles, 12 bottle supports (≥ 6 positions × 1 PTFE tube 2m)

## **Performance characteristics**

### **Test automation**

Fully automatic reagent addition, shaking, heating, cooling, sample extraction and other operations, saving labor costs.

### **Compatibility is good**

It is compatible with the acid hydrolysis method, alkali hydrolysis method (Royal Gothic method), Babcock method and Gabriel method specified in the national standard. For the sample that Soxhlet extraction method can't do, hydrolytic fat analyzer can also do it. The precision of Soxhlet extraction method is better than Soxhlet extraction method.

### **Innovative manufacturing, patented technology**

Independent R & D and innovation, with 16 patented technologies.

### **Extraction separation**

The separation system of extraction solution solves the problem of difficult separation of extraction solution, and the separation process does not need manual participation.

### **Rapid cooling technology**

The rapid cooling technology can realize the rapid cooling of heating unit and extraction bottle, speed up the experimental process and save the experimental time.

### **More flexible solutions**

The system supports 100000 scheme storage, each scheme can realize 100 steps, and can configure the functions of heat, reagent addition, shaking, lifting and constant volume required by the test, which is close to the experimental requirements.