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### Brand positioning:

Analytical instrument manufacturer, laboratory solution provider!

### Company introduction:

Shanghai Yuke Industry Co., Ltd. was established in 1999. It is a leading manufacturer of analytical instruments and laboratory equipment in China, and is known as a high-quality instrument manufacturer and perfect service provider. Committed to the research and innovation of scientific instruments and analytical methods in the food and pharmaceutical industries, in order to promote green food and health drugs, develop and produce analytical measuring instruments, and provide technical workers with application methods and comprehensive solutions.

Yuke professional R&D laboratory instruments include: **Thermal Analyzer (DSC/TGA/STA), Microwave Digester, Dissolution system, Melting point meter, Polarimeter, Refractometer, Density meter, Turbidity meter, Dropping point & Softening point tester, Micro heating table, Potentiometric Titration, Moisture meter, Osmometer, Viscosity meter, Hardness tester, Flash point tester ..** They are widely used in pharmaceutical and food quality control, education and research, environmental science, chemical engineering and other fields.

Yuke has established strict working standards and technical standards in R&D, parts procurement, standardized manufacturing, and production inspection. Yuke has obtained CE certification, TART certification, ISO quality management system certification, more than 10 software copyrights and multiple patents to ensure that each instrument has stable performance and excellent quality. Yuke headquarters was established in Shanghai, China, with 15 sales branches in China, sales agents in more than 10 overseas countries, and 2 production plants. At the same time, we have a top R&D team returned from Europe and America, cooperate with our superb manufacturing team, professional sales team and dedicated service team, working together to provide customers with high-tech, high-quality products and efficient, convenient, Comprehensive pre-sales and after-sales professional services.

At present, Yuke's products have been exported to more than 50 countries including the United States, Germany, France, Malaysia, Vietnam, India, Italy, etc. We are committed to participating in Arablab, PICCTON, Analytica Russia, Lab Africa, Analytica Germany, Analytica Latin America and other exhibitions. Open up different markets, and enjoy a good reputation with reliable quality, reasonable prices and good service to win a large market share.

Yuke is committed to providing customers with a better user experience and hopes to become a world-class scientific instrument manufacturer and laboratory solution provider!



## 1. Dissolution Tester



### Brief introduction

YK-RC606 dissolution test apparatus is a high-performance 6-cup 6-bar dissolution tester designed and manufactured in strict accordance with the provisions of the Chinese Pharmacopoeia and the United States Pharmacopoeia. It has high intelligence, advanced structure, accurate control and good reliability.

YK-RC808 dissolution tester equipment is a high-performance 8-cup 8-bar dissolution test device designed and manufactured in strict accordance with the regulations of "Chinese Pharmacopoeia" and "USP", with high intelligence, advanced structure, accurate control and good reliability.

YK-RC1612 dissolution tester device is a high-performance 16-cup 12-bar dissolution tester designed and manufactured in strict accordance with the provisions of "Chinese Pharmacopoeia" and "United States Pharmacopoeia". It has high intelligence, advanced structure, accurate control and good reliability.





### The main features

1. Automatic height-setting clutch (various methods interchangeable).
2. Adjust the cup holder.
3. Adjust shafting.
4. Electric lifting of machine head.
5. DC brushless water pump, low noise and long life.
6. PTC heater, temperature switch multiple protection.
7. 1/3B high-precision Pt1000 temperature sensor imported from Germany, with fast response and high precision.
8. It supports sequential dosing and synchronous dosing, and you can choose whether to suspend stirring when dosing.
9. Redundant wiring design ensures that the connectors are firm and reliable.
10. Rights management system.
11. Audit trail functionality.
12. 7-inch high-definition touch screen.
13. Optional online printing, fingerprint identification, LAN, WiFi, Bluetooth, RS232 and RS485, etc.

### Technical parameters

Model	YK-RC606	YK-RC808	YK-RC1612
Number of devices	6 cups	8 cups and 8 rods.	12 cups and 12 rods
Applicable methods	basket method, paddle method, small cup method, dish method (large and small dish), drum method (long and	"Chinese Pharmacopoeia" first method (basket method), second method (paddle method), third	"Chinese Pharmacopoeia" first method (basket method), second method (paddle method), third



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	short drum)	method (small cup method), fourth method (paddle and disc method), fifth method (drum method)	method (small cup method), fourth method (paddle and disc method), fifth method (drum method)
Stirring speed	25RPM-250RPM		
Stirring direction	clockwise, counterclockwise	clockwise, counterclockwise	clockwise, counterclockwise
Stirring speed resolution	0.01RPM		
Water bath temperature	room temperature - 45.00°C	room temperature - 45.00°C. (The heating temperature can be selected up to 55°C)	room temperature - 45.00°C. (The heating temperature can be selected up to 55°C)
Temperature resolution	0.01°C		
Dosing mode	synchronous dosing,	synchronous dosing	synchronous administration
Rights management	four levels, seven users	four levels, seven users	three levels, seven users
Audit trail	128 entries × 365 days		
Power supply	220V, 50Hz		

## 2 Dissolution Sampling System

### 2.1 Dissolution Sampling System = YK-RCQY8



#### Brief introduction

The YK-RCQY8 Dissolution Sampling is a new type of sampler independently developed by Tianfa Analytic. It can be adapted to a dissolution apparatus with a sampling system and can be connected to form a dissolution sampling system. The YK-RCQY8 Dissolution Sampling Can upgrade WiFi, RS232, RS485, LAN, Bluetooth data interface.

The whole system adopts 26ml high-precision syringe as the sampling power. Fast sampling speed and high precision. The whole system has the functions of primary filtrate and distribution, which can realize the discarding of primary filtrate and the distribution of secondary filtrate to retain samples. And The YK-RCQY8 Dissolution Sampling can be collected directly into ampoules. 8-way precision syringe pump is used to realize high-precision automatic filtration, sampling and rehydration. It has a number of patented technologies, advanced structure, accurate control and high degree of intelligence.

#### The main features

- Compatible with dissolution apparatuses of most manufacturers.
- All corrosion-resistant and high-pressure pipelines.
- Equipped with pre-filter and terminal filter, the filter can be fully circulated and rinsed, and it is easy to replace.
- Equipped with 10ML sampling test tube (with sealing cap), optional sampling bottle with new sealing cap (2mL, 10mL)
- Proofing needle with acupuncture and bottle return mechanism, built-in PTFE pipe
- High precision (repeatability RSD<0.5%)
- Fast speed (pump speed <25mL/min, complete the sampling and filtration process within 30s in most cases)
- Rights management, support 3 levels 7 users.
- Audit trail functionality.
- Support fingerprint login.
- Support online printing.
- 3Q verification can be provided

#### Technical parameters

Model	YK-RCQY8
Sampling channels	8



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Sampling times	16 times
Sampling modes	accuracy, speed
Sampling accuracy	RSD<0.5%
Sampling Interval	1 minute to 999 hours 59 minutes
Single sampling volume	1ml~15ml(can be extended to30ml)
Sampling consistency	RSD≤1% between channels
Sampling repeatability	RSD≤0.5%
Syringe specifications	26ml, 0.5% accuracy
Test tube collection volume	15ml
Distribution function	Yes
Rehydration function	Equal volume rehydration
Preliminary filtration volume	0ml~10ml
Primary filter	10μm columnar filter head
On-line filter	φ25mm, filter membrane pore size 0.45μm, 0.8μm Luer connector filter, made of cellulose
Communication interface	RS232, RS485, network
Rights management	three levels, seven users
Audit trail	128 entries × 366 days
Login method	user name + password, fingerprint
Online printing	support

## 2.2 Dissolution Sampling System = YK-RCQY12



### Brief introduction

The YK-RCQY12 dissolution sampler is a new type of sampler independently developed by Tianfa Analytic. It can be adapted to a dissolution apparatus with a sampling system and can be connected to form a dissolution sampling system. YK-RCQY12 dissolution sampler Can upgrade WiFi, RS232, RS485, LAN, Bluetooth data interface.

The whole system adopts 26ml high-precision syringe as the sampling power. Fast sampling speed and high precision. The whole system has the functions of primary filtrate and distribution, which can realize the discarding of primary filtrate and the distribution of secondary filtrate to retain samples. And YK-RCQY12 dissolution sampler can be collected directly into ampoules. 12-way precision syringe pump is used to realize high-precision automatic filtration, sampling and rehydration. YK-RCQY12 dissolution sampler has a number of patented technologies, advanced structure, accurate control and high degree of intelligence.

### The main features

- Compatible with dissolution apparatuses of most manufacturers.
- All corrosion-resistant and high-pressure pipelines.
- Equipped with pre-filter and terminal filter, the filter can be fully circulated and rinsed, and it is easy to replace.
- Equipped with 10ML sampling test tube (with sealing cap), optional sample bottle with new sealing cap (2mL, 10mL)
- Proofing needle with needle punching and bottle return mechanism, built-in PTFE tube
- High precision (repeatability RSD<0.5%)
- Fast speed (pump speed <25mL/min, complete the sampling and filtration process within 30s in most cases)
- Rights management, support 3 levels 7 users.
- Audit trail functionality.
- Support fingerprint login.
- Support online printing.
- Can provide 3Q verification.

### Technical parameters

Model	YK-RCQY12
Sampling channels	12
Sampling times	16 times
Sampling modes	accuracy, speed



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Sampling accuracy	RSD<0.5%
Sampling Interval	1 minute to 999 hours 59 minutes
Single sampling volume	1ml~15ml (expandable to 30ml)
Sampling consistency	RSD≤1% between channels
Sampling repeatability	RSD≤0.5%
Syringe specification	26ml, 0.5% accuracy
Test tube collection volume	15ml
Distribution function	Yes
Rehydration function	equal volume rehydration
Primary filtration volume	0ml~10ml
Primary filter	10μm columnar filter head
In-line filter	φ25mm, filter membrane pore size 0.45μm, 0.8μm Luer connector filter, made of cellulose
Communication interface	RS232, RS485, network
Rights management	three levels, seven users
Audit trail	128 entries×366 days
Login method	username + password, fingerprint
Online printing	support