

R6 Integrated All-Glass Distillation Apparatus

PRODUCT OVERVIEW

- ◆ In water quality testing, distillation is a very common and important pretreatment step. In traditional distillation equipment, the heating, distillation, condensation, and receiving parts are independent, and the operation is cumbersome. Due to the lack of distillation end point control, distillation failure is often caused, which affects the work efficiency.
- ◆ The integrated all-glass distillation apparatus adopts intelligent integrated design, and adopts technical means such as precise temperature control, intelligent end point control, automatic cooling of cooling water and reflux device, etc., to achieve the purpose of simple operation, automatic distillation, beautiful and practical, energy saving and consumption reduction.
- ◆ It can be widely used in the determination requirements of distillation pretreatment of water samples such as volatile phenol, cyanide, ammonia nitrogen, sulfide etc. in the fields of environmental monitoring, water supply and drainage, and disease control and prevention centers.



| INSTRUMENT PARAMETERS | |
|-----------------------|---|
| Dimension | 900x350x700mm (external cooling circulating water) |
| Operating voltage | AC220V 50Hz |
| Power | 3000W |
| Power | Single channel 0-500W adjustable, power can be changed in real time |
| Time control | 0-600min |
| End point control | weighing, timing |
| Temperature control | Room temperature-400°C |
| Time control | 0-999min |
| Distillation setting | 0- 3000g |
| Measurement accuracy | 0.1g |
| Control mode | LCD touch screen |

TECHNICAL CHARACTERISTICS

Unattended

The system automatically completes heating, peeling, temperature control, compressor refrigeration, cooling water circulation and distillation end point judgment.

Heating module

Adopt advanced far-infrared ceramic radiation heating technology, no open flame, low power consumption, high efficiency, long life, uniform heating, not easy to bump, corrosion resistance. The heating components can be controlled separately without interfering with each other.

Cold water circulation module

External cooling water: external cooling circulating water machine, easy to operate and flexible to use.

Software Operations

Suspension type 7" HD touch LCD screen, flexible movement, prevent liquid corrosion.

Distillate anti-suckback One-way valve anti-suckback protection: customized glass condenser, built-in glass one-way valve, when the instrument automatically stops heating, it can avoid the suckback situation caused by the internal negative pressure caused by flask cooling.

Dual Distillation mode

Weighting distillation : (0-3000) g can be freely set using a high-precision weighing end-point detection module, and the distillation will automatically stop at the end of the distillation.

Timed distillation : (0-600) minutes can be set arbitrarily, according to the setting time, the distillation will stop automatically.

The two modes can be selected arbitrarily, and the distillation mode of each unit can be set independently.

Simple operation interface

There are six built-in distillation methods in the distillation apparatus, which can be directly selected without frequent input of repeated data. The method can also be customized and saved according to the experimental requirements.

Automatic precision distillation

The screen dynamically displays the current working state in real time. After the distillation amount reaches the set value, the heating will be automatically stopped and a buzz will sound for an alarm.