

## Guide Line Sample Concentrator

### 1. Which field are the main uses of sample concentrator?

Sample concentrator is a general laboratory instrument, makes the sample to be processed concentrate rapidly, separate and purify quickly, which comes up to the oxygen-free concentration and keeps the higher pureness of samples. It is widely used in the concentration of samples in batches, such as food inspection, drug screening, pesticide residues detection, hormone analysis in liquid and gas phases, as well as mass spectrometric analysis.

### 2. What index should we pay attention to when choosing sample concentrator?

Temperature control range, temperature control accuracy, heating mode, sample volume and sample quantity.

### 3. What heating method adopted by sample concentrator and the maximum temperature can reach what degree?

Sample concentrator adopts metal bath heating (aluminum module), the maximum temperature can reach 200°C.

### 4. What shall we do if the concentration volume is different in experiment?

The module of sample concentrator can be optional. The customer can choose and buy module according to requirement (5ml /12 hole, 5ml /24 hole, 20ml /12 hole, 20ml /24 hole)

### 5. The variation of sample quantity whether can be observed during experiment?

Module design makes each sample visualization, people can real-time observe the variation of each sample during experiment.

### 6. Whether can be adjusted according to sample quantity when experiment quantity is different?

In order to save nitrogen blowing needle quantity of gas cavity on upper instrument can be adjusted freely depending on sample quantity.

### 7. What are the consumables in normal use for sample concentration?

Glass test tube, organic solvent and inert gas.

### 8. Does sample concentration still need to configure other equipment?

It needs a large amount of inert gas in the sample concentration process, so it needs the cylinder with pressure reducing valve during using.

### 9. How to control the gas flow for sample concentration?

Control and adjust gas flow through pressure reducing valve of cylinder, or matching filter pressure reducing valve.

## HN200 Sample Concentrator

HN200 Sample Concentrator is mainly used in the concentration of samples in batches, such as drug screening, hormone analysis, liquid/gas phase, as well as mass spectrum analysis.

The use of sample concentration instead of the commonly used rotary evaporimeter for concentration, can have simultaneous concentration of dozens of samples, which can short the sample preparation time greatly, and has the advantages of time-saving, easy operation and fast.



Each blowing needle can be controlled independently, the height of gas cavity is adjustable

### Characteristic

- Sample visualization.
- Module optional, with 5ml /12 hole, 5ml /24 hole,
- 20ml /12 hole, 20ml /24 hole.
- Automatic fault detection and alarming.
- Built-in over-temperature protection device.
- Flow-meter pressure reducing valve is optional.

### Technical data:

Temperature range	Room temperature +5°C~180°C
Heating time	≤30min (from 40°C to 180°C)
Temperature accuracy	±0.5°C (40°C~100°C) ±1°C (100°C~180°C)
Display accuracy	0.1
Display mode	LED display
Nitrogen flow	0~10L/min
Nitrogen pressure	≤0.1MPa
Dimension	280mmx240mmx500mm