

# WT-12A Water Bath Concentrator

## Concentrator Series

### Introduction

Water Bath Sample Concentrator is mainly used for the concentration or preparation of large quantities of samples (such as drug screening, hormone analysis, liquid phase, and sample preparation in mass spectrometry analysis). Working principle: By blowing nitrogen into the surface of the heated sample, the solvent in the sample is quickly evaporated and separated, so as to achieve the purpose of oxygen-free concentration of the sample and keep the sample more pure.

### Feature

1. Elegant appearance, with elevation operation panel, embedded flowmeter, waterproof button, safe and reliable.
2. Good compatibility, suitable for test tubes (diameter 10 ~ 29mm), conical flask, centrifuge tube, the sample capacity of 1 ~ 50ml.
3. Free up and down needle valve tube, independent adjustable needle valve, controls gas flow at each sample location
4. Circular turntable structure, 360-degree rotation, convenient sample support into and out of the water bath, easy to operate.
5. 12 position, each sample position are numbered, spring tube clamp fixed position.
6. LED real-time displays temperature and time, water bath temperature: RT +5 °C ~ 100 °C.
7. All use of stainless steel, all components are anti-corrosion and resistant to organic solvents.
8. When concentrated toxic solvents, the entire system can be placed in a fume hood.
9. Built-in level sensor, anti-dry protection.
10. Suitable for a variety of test tubes, so that the gas needle is aimed at the center of the test tube, and the experimental effect is greatly improved.

### Application

1. Pharmaceutical drug testing: Chinese medicine and drug testing.
2. Food and beverage: milk, wine, liquid beverages.
3. Biological analysis: serum, plasma, blood, urine.
4. Commodity inspection: test dioxin, croft etc.
5. Environmental analysis: drinking water, groundwater, polluted water, etc.
6. Pesticide analysis: vegetables, fruits, cereals, plant tissues, etc.

### Parameter

Model	WT-12A	as-in Joint Outer Diameter	Φ7mm
Temp. Control Range	R.T.+5°C~100°C	Maximum gas pressure	0.2MPa
Temp. Setting Range	5°C~100°C	Maximum gas flow	15L/min
Temp. Uniformity@60°C	±1 °C	Needle Length	100mm
Temp. Display Accuracy	0.1 °C	Inner dimension	Φ260x150mm
Heating Speed	≤30min (40°Cto100°C)	Voltage	AC 220V, 50/60Hz
Time Range	1min~99h59min	Power	1000W
Accommodates samples	12	Fuse	250V, 8A, Φ5×20
Test tube range	Φ10~29mm/ Liquid volume1~50ml	Dimensions	W.390 x D.300 xH. 850mm
Needle Plate Max. Lift Stroke	200mm	Net Weight	9.5kgs

