

MINI-100N MINI Sample Concentrator

Concentrator Series

Introduction

The mini sample concentrator is mainly used for the concentration or preparation of bulk samples (such as drug screening, hormone analysis, liquid phase, and sample preparation in mass spectrometry). Working principle: By blowing nitrogen into the surface of the heated sample, the solvent in the sample is quickly evaporated and separated, thereby achieving the purpose of anaerobic concentration of the sample and keeping the sample more pure.

Feature

1. Unique air circuit control patent design, enhance air tightness and reduce the risk of air leakage; Easy to operate, lift/press air needle to realize channel switch; the switching status of each channel is quite clear.
2. The heater heats the sample rapidly to the evaporation temperature, and at the same time, the gas is blown to the surface of the solution through the gas needle, which promotes rapid evaporation of the solution and concentration of the sample.
3. The height of the air chamber plate can be adjusted. The length of a standard gas needle is 150mm.
4. Separately blow of 6 needles and flow regulating of each needle are available to avoid gas waste.
5. The entire equipment can be put into ventilation cabinet when the concentration sample in toxic solvents.
6. Built in overheat protection, automatic fault detection and fault beep alarm devices.
7. LED displays immediate temperature and diminishing time. Operation is simple and convenient.
8. Standard configured air cavity and adjustable bracket.

Accessories



MiniP-C



MiniP-D

Cat#	Tube Quantity & Dia.of hole
MiniP-C	6 x ϕ 15mm
MiniP-D	6 x ϕ 16mm
MiniP-F	Customized

Blocks can be optional and exchanged.
Optional flow regulating valve.

NDK-GV
Flow regulating valve
Optional



Parameter

Model	MINI-100N
Temp. Range	R.T.+5°C~100°C
Heating Time	≤12min(From 40°C to 100°C)
Temp. Accuracy (100°C)	±0.5°C
Temp. Accuracy (40°C)	±0.3°C
Blocks Quantity	1Block
Time Range	1sec~999s or 1min0~999min
Nitrogen Flow Rate	0~10L/min
Nitrogen Pressure	≤0.1MPa
Power	60W
Dimensions	W.110 x D.156 x H.400 mm
Net weight	1.2kgs