

96-GAS-NEEDLES SAMPLE CONCENTRATOR LTCON8-2



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LTCON8-2

96-Gas-Needles Sample Concentrators is a device that is used to perform the rapid evaporation of the solvents from the samples in 96-needle microplate which contains 96×0.2ml microtubes in a single batch. It uses the principle of solvent evaporation to concentrate the samples. In a dry block heater, the stream of inert gas is passed above the surface of the sample which causes evaporation, and the sample gets concentrated.

Used in Drug screening, hormone analysis, liquid phase.

Also known as Laboratory Concentrators.

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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

The height of the air cavity can be adjusted. The length of a standard gas needle is 80 mm

The entire equipment can be put into ventilation cabinet when the concentration sample in toxic solvents

Built in overheat protection, automatic fault detection and fault beep alarm devices

LED displays immediate temperature and diminishing time. Operation is simple



SPECIFICATIONS

Model	LTCON8-2
Temp. Control Range	R.T.+5°C ~100°C
Temp. Setting Range	5 °C ~ 150 °C
Temp. Stability @ 40 ~100 °C	±0.5 °C
Temp. Stability @ 100~150 °C	±1 °C
Block Temp. Uniformity @ 100°C	±0.5 °C
Block Temp. Uniformity @ 150 °C	±1 °C
Temp. Display Accuracy	0.1 °C
Heating Speed	≤30 min (40 °C to 150 °C)
Time Range	1 min ~99 h 59 min
Air cavity Max. Lift Stroke	275 mm
Gas-in Joint Outer Diameter	Φ7 mm
Nitrogen Pressure	≤0.1 MPa
Nitrogen Flow Rate	0~10 L/min
Needle Length	80 mm
Sample Capacity	1 standard plate block
Voltage	AC 220 V/AC 110 V, 50/60 Hz
Power	400 W
Fuse	250 V, 2 A / 3 A, Φ5 x 20

Dimension (WxDxH)	W.220xD.260xH.445 mm
Net Weight	5.5 kgs

OPTIONAL ACCESSORIES

Accessory Code	Name	Suitable Concentrator	Description	Dimension
4100809008	Block 17	NDK200-1A	0.2ml x 96 PCR plate	78x114x26 mm
4100809009	Block 18	NDK200-1A	flat bottom plate block	81x123x19 mm



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