

SAMPLE CONCENTRATORS



SAMPLE CONCENTRATORS

Used in Drug screening, hormone analysis, liquid phase.

Also known as Laboratory Concentrators.

LTCON8-1 MINI SAMPLE CONCENTRATOR

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

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 chamber plate can be adjusted. The length of a standard gas needle is 150 mm

Separately blow of 6 needles and flow regulating of each needle are available to avoid gas waste

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 and convenient

Standard configured air cavity and adjustable bracket



SPECIFICATIONS

Model	LTCON8-1
Temp. Control Range	R.T.+5°C ~100°C
Heating Speed	≤12 min (From 40 °C to 100 °C)
Temp. Accuracy (100 °C)	±0.5 °C
Temp. Accuracy(40°C)	±0.3°C
Block Quantity	1 Block
Time Range	1 sec~999 s or 1 min 0~999 min
Nitrogen Flow Rate	0~10 L/min
Nitrogen Pressure	≤0.1 Mpa
Power	60 W
Dimension (WxDxH)	W.110xD.156xH.400 mm
Net Weight	1.2 kgs

OPTIONAL ACCESSORIES

Accessory Code	Name	Specification	Dia. of hole	Hole bottom shape	Block dimension
4100808008	Block	0.2ml x96	6.7 mm	Cone bottom	95.5x153.5x 33.5mm
4100808009	Block	Flat bottom plates	Top size 76x116x4 mm	Flat plate block	95.5x153.5x22.5mm

LTCON8-2 96-GAS-NEEDLES SAMPLE CONCENTRATOR

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

LTCON8 SAMPLE CONCENTRATORS

The height of the air chamber plate can be adjusted. The length of a standard gas needle is 150 mm

LED displays immediate temperature and dimension; Operation is simple and convenient

Built in overheat protection, automatic fault detection and alarm devices

The entire equipment can be put into ventilation cabin concentration sample is in toxic solvents

Synchronously working with heating by dry bath in the bottom and nitrogen blowing on the surface accelerates liquid evaporator sample concentration

Unique patented design for air channel control system, enhances air tightness and reduces potential leakage; easy to operate air needle to realize channel switch; the switching state

channel is clear at a glance



SPECIFICATIONS

Model	LTCON8-3	LTCON8-4	LTCON8-6
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	1min ~99 h 59 min	1 min ~99 h 59 min
Needle Plate Max. Lift Stroke	285 mm		
Gas-in Joint Outer Diameter	Φ7 mm		
Nitrogen Pressure	≤0.1 MPa		
Nitrogen Flow Rate	0~10 L/min		
Needle Length	150 mm		
Sample Capacity	1 standard block	1 Standard Visible Block	2 standard block
Voltage	AC 220 V/AC 110 V, 50/60 Hz		
Power	200 W	400 W	200 W
Fuse	250 V, 2 A / 3 A, Φ5 x 20		
Dimension (WxDxH)	W.200xD.230xH.525 mm	W.220xD.260xH.525 mm	200x230x525 mm
Net Weight	5.1 kgs	5.8 kgs	5.1 kgs

OPTIONAL ACCESSORIES

Accessory Code	Name	Specification	Dia. of hole	Hole bottom shape	Block dimension	For Models
4100810008	Block	6 mm x 12	6.5 mm	Round bottom	95.5x76.5x50 mm	LTCON8-3, LTCON8-6
4100810009	Block	7 mm x 12	7.5 mm	Round bottom	95.5x76.5x50 mm	LTCON8-3, LTCON8-6
4100810013	Block	15 mm x 12(7ml tube)	15.5 mm	Round bottom	95.5x76.5x50 mm	LTCON8-3, LTCON8-6
4100810014	Block	16 mm x 12(10ml/15ml tube)	16.5 mm	Round bottom	95.5x76.5x50 mm	LTCON8-3, LTCON8-6
4100810015	Block	19 mm x 12	19.5 mm	Round bottom	95.5x76.5x50 mm	LTCON8-3, LTCON8-6

4100810016	Block	20 mm x 6	20.5 mm	Round bottom	95.5x76.5x50 mm	LTCO8-3, LTCO8-6
4100810021	Block	1.5 ml x 12	10.8 mm	Round bottom	95.5x76.5x50 mm	LTCO8-3, LTCO8-6
4100810022	Block	2.0 ml x 12	10.8 mm	Round bottom	95.5x76.5x50 mm	LTCO8-3, LTCO8-6
4100810023	Block	0.2 ml x 12	6.1 mm	Round bottom	95.5x76.5x50 mm	LTCO8-3, LTCO8-6
4100810024	Block	Customized	Customized	Round bottom	95.5x76.5x50 mm	LTCO8-3, LTCO8-6
4100810010	Block	10 mm x 12	10.5 mm	Round bottom	95.5x76.5x50 mm	LTCO8-3, LTCO8-6
4100810011	Block	12 mm x 12	12.5 mm	Round bottom	95.5x76.5x50 mm	LTCO8-3, LTCO8-6
4100810012	Block	13 mm x 12	13.5 mm	Round bottom	95.5x76.5x50 mm	LTCO8-3, LTCO8-6
4100810017	Block	26 mm x 6	26.5 mm	Round bottom	95.5x76.5x50 mm	LTCO8-3, LTCO8-6
4100810018	Block	28 mm x 4(50ml tube)	28.5 mm	Flat bottom	95.5x76.5x50 mm	LTCO8-3, LTCO8-6
4100810019	Block	40 mm x 2	40.5 mm	Round bottom	95.5x76.5x50 mm	LTCO8-3, LTCO8-6
4100810020	Block	0.5 ml x 12	8 mm	Cone bottom	95.5x76.5x50 mm	LTCO8-3, LTCO8-6
4100811008	Block	10 mm x 12	10.5 mm	Round bottom	153.5x95.5x50 mm	LTCO8-4
4100811009	Block	12 mm x 12	12.5 mm	Round bottom	153.5x95.5x50 mm	LTCO8-4
4100811010	Block	13 mm x 12	13.5 mm	Round bottom	153.5x95.5x50 mm	LTCO8-4
4100811011	Block	15 mm x 12(7ml tube)	15.5 mm	Round bottom	153.5x95.5x50 mm	LTCO8-4
4100811012	Block	16 mm x 12(10ml/15ml tube)	16.5 mm	Round bottom	153.5x95.5x50 mm	LTCO8-4
4100811013	Block	19 mm x 12	19.5 mm	Round bottom	153.5x95.5x50 mm	LTCO8-4
4100811014	Block	20 mm x 12	20.5 mm	Round bottom	153.5x95.5x50 mm	LTCO8-4



LTCO8-3



LTCO8-4



LTCO8-6

LTCO8-5 WATER BATH CONCENTRATOR

Elegant appearance, with elevation operation pane', flowmeter, waterproof button, safe and reliable

Good compatibility, suitable for test tubes (diameter 10 ~ 29mm), conical flask, centrifuge tube, the sample capacity of 1 ~ 50ml

Free up and down needle valve tube, independent adjustable <r. I controls gas flow at each sample location

Circular turntable structure, 360-degree rotation, convenient sample support into and out of the water bath, easy to operate

12 position, each sample position are numbered, spring tu x position

LED real-time displays temperature and time, water bath

All use of stainless steel, all components are anti-corrosion and resistant to organic solvents

When concentrated toxic solvents, the entire system can be placed in a fume hood

Built-in level sensor, anti-dry protection

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 great



SPECIFICATIONS

Model	LTCO8-5
Temp. Control Range	R.T.+5°C ~100°C
Temp. Setting Range	5 °C ~ 100 °C
Temp. Uniformity @ 60 °C	±1 °C
Temp. Display Accuracy	0.1 °C
Heating Speed	≤30 min(40 °C to 100 °C)
Time Range	1 min~99 h 59 min
Accommodates Sample	12
Test tube range	Φ10~29 mm/ Liquid volume1~50 ml
Needle Plate Max. Lift Stroke	200 mm
as-in Joint Outer Diameter	Φ7 mm
Maximum gas pressure	0.2 MPa
Maximum gas flow	15 L/min
Needle Length	100 mm
Inner dimension	260 x 150 mm
Voltage	AC 220 V, 50/60 Hz
Power	1000 W
Fuse	250V, 8A, Φ5 x 20
Dimension (WxDxH)	W.390xD.300xH.850 mm
Net Weight	9.5 kgs



Labtare Analytical Instruments

Email: info@labtare.com | Website: labtare.com