



CONCENTRATOR BCON-107

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SAMPLE CONCENTRATOR

A 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.



Wide temperature control range up to 150°C.

Equipped with an air chamber and a special adjustable stand, nitrogen blowing can be achieved.

Simple or programmed temperature control mode, making the experiment more convenient.

Compact structure, easy to use in narrow spaces.

High-definition color screen display, providing an intuitive and clear visual experience.

Real-time temperature and constant temperature countdown time.

With metal blocks, samples are protected from contamination.

The metal block is easy to replace, easy to clean and sterilize.

Built-in over-temperature protection device to keep you and experiments safe.

SPECIFICATIONS

Model	BCON-107
Temp. Control Range	R.T.+5°C~150°C
Temp. Setting Range	5°C~150°C
Time Range	1min~99h59m (00:00 is continued)
Block temp. Stability@40~100°C	±0.5°C
Block temp. Stability@>100°C	±1°C
Block Temp. Uniformity@40°C	±0.3°C
Block Temp. Uniformity@>40°C	±0.5°C
Temp. Display Accuracy	0.1°C
Heating Speed	<15min(20°C-150°C)
Needle Plate Max. Lift Stroke	285mm
Gas-in Joint Outer Diameter	Φ7mm
Nitrogen Pressure	<0.1MPa
Nitrogen Flow Rate	0~10L/min
Needle Length	150mm
Sample Capacity	1 standard block
Voltage	AC 220V/AC 110V 50Hz/60Hz
Power	200W
Fuse	250V, 2A/3A, Φ5x20
Dimension(WxDxH)	285x225x95
Net Weight (kgs)	2.48kgs
Alt Name	Sample Concentrator

ACCESSORIES FOR PURCHASE

No	Spec	Dia. of Hole	Name	Block Dimension
1	6 mm x 12	6.5 mm	Circular base	95.5 x 76.5 x 50 mm

2	7 mm x 12	7.5 mm	Circular base	95.5 x 76.5 x 50 mm
3	10 mm x 12	10.5 mm	Circular base	95.5 x 76.5 x 50 mm
4	12 mm x 12	12.5 mm	Circular base	95.5 x 76.5 x 50 mm
5	13 mm x 12	13.5 mm	Circular base	95.5 x 76.5 x 50 mm
6	15 mm x 12(7ml Centrifuge tube)	15.5 mm	Circular base	95.5 x 76.5 x 50 mm
7	16 mm x 12(10ml/15ml Centrifuge tube)	16.5 mm	Circular base	95.5 x 76.5 x 50 mm
8	19 mm x 12	19.5 mm	Circular base	95.5 x 76.5 x 50 mm
9	20 mm x 6	20.5 mm	Circular base	95.5 x 76.5 x 50 mm
10	26 mm x 6	26.5 mm	Circular base	95.5 x 76.5 x 50 mm
11	28 mm x 4(50ml Centrifuge tube)	28.5 mm	Flat bottom	95.5 x 76.5 x 50 mm
12	40 mm x 2	40.5 mm	Circular base	95.5 x 76.5 x 50 mm
13	0.5 ml x 12	8 mm	Cone base	95.5 x 76.5 x 50 mm
14	1.5 ml x 12	10.8 mm	Cone base	95.5 x 76.5 x 50 mm
15	2.0 ml x 12	10.8 mm	Circular base	95.5 x 76.5 x 50 mm
16	0.2 ml x 12	6.1 mm	Cone base	95.5 x 76.5 x 50 mm
17	Customized	Customized	Customized	Customized



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FEATURES

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High-definition color screen display, providing an intuitive and clear visual experience.

Real-time temperature and constant temperature countdown time.

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The metal block is easy to replace, easy to clean and sterilize.

Built-in over-temperature protection device to keep you and experiments safe.

Temperature deviation calibration, more accurate temperature control.

Fault code display function, the system has its own fault detection function.

The buzzer sound can be turned off, making the experiment quieter.

Sliding operation and touch buttons, novel and fashionable.

The height of the air chamber can be adjusted to make it suitable for different test tubes, and the standard air needle length is 150mm.

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

The heater causes the sample to be rapidly heated 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 the rapid evaporation of the solution and the concentration of the sample.

Unique patented design for air channel control system, enhances air tightness and reduces potential leakage; easy to operate, lift/press air needle to realize channel switch; the switching status of each channel is clear at a glance.



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