

CONCENTRATOR



CONCENTRATOR

Used in Drug screening, hormone analysis, liquid phase.

Also known as Laboratory Concentrator.

CON14-MS 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	CON14-MS
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
3800505005	Block	0.2ml x96	6.7 mm	Cone bottom	95.5x153.5x 33.5mm
3800505006	Block	Flat bottom plates	Top size 76x116x4 mm	Flat plate block	95.5x153.5x22.5mm

CON13-96 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	CON13-96
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
3800506005	Block 17	NDK200-1A	0.2ml x 96 PCR plate	78x114x26 mm
3800506006	Block 18	NDK200-1A	flat bottom plate block	81x123x19 mm

CON15-SC SAMPLE CONCENTRATOR

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 diminis-"C; i Operation is simple and convenient

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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 stat

channel is clear at a glance



SPECIFICATIONS

Model	CON15-SC
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
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
Voltage	AC 220 V/AC 110 V, 50/60 Hz
Power	200 W
Fuse	250 V, 2 A / 3 A, Φ5 x 20
Dimension (WxDxH)	W.200xD.230xH.525 mm
Net Weight	5.1 kgs

OPTIONAL ACCESSORIES

Accessory Code	Name	Specification	Dia. of hole	Hole bottom shape	Block dimension
3800507005	Block	6 mm x 12	6.5 mm	Round bottom	95.5x76.5x50 mm
3800507006	Block	7 mm x 12	7.5 mm	Round bottom	95.5x76.5x50 mm
3800507010	Block	15 mm x 12(7ml tube)	15.5 mm	Round bottom	95.5x76.5x50 mm
3800507011	Block	16 mm x 12(10ml/15ml tube)	16.5 mm	Round bottom	95.5x76.5x50 mm
3800507012	Block	19 mm x 12	19.5 mm	Round bottom	95.5x76.5x50 mm
3800507013	Block	20 mm x 6	20.5 mm	Round bottom	95.5x76.5x50 mm

3800507018	Block	1.5 ml x 12	10.8 mm	Round bottom	95.5x76.5x50 mm
3800507019	Block	2.0 ml x 12	10.8 mm	Round bottom	95.5x76.5x50 mm
3800507020	Block	0.2 ml x 12	6.1 mm	Round bottom	95.5x76.5x50 mm
3800507021	Block	Customized	Customized	Round bottom	95.5x76.5x50 mm
3800507007	Block	10 mm x 12	10.5 mm	Round bottom	95.5x76.5x50 mm
3800507008	Block	12 mm x 12	12.5 mm	Round bottom	95.5x76.5x50 mm
3800507009	Block	13 mm x 12	13.5 mm	Round bottom	95.5x76.5x50 mm
3800507014	Block	26 mm x 6	26.5 mm	Round bottom	95.5x76.5x50 mm
3800507015	Block	28 mm x 4(50ml tube)	28.5 mm	Flat bottom	95.5x76.5x50 mm
3800507016	Block	40 mm x 2	40.5 mm	Round bottom	95.5x76.5x50 mm
3800507017	Block	0.5 ml x 12	8 mm	Cone bottom	95.5x76.5x50 mm

CON12-NI NITROGEN SAMPLE CONCENTRATOR

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 diminis-"C; i Operation is simple and convenient

Built in overheat protection, automatic fault detection an 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 stat

channel is clear at a glance



SPECIFICATIONS

Model	CON12-NI
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	1min ~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 Visible 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.525 mm
Net Weight	5.8 kgs

OPTIONAL ACCESSORIES

Accessory Code	Name	Specification	Dia. of hole	Hole bottom shape	Block dimension
3800508005	Block	10 mm x 12	10.5 mm	Round bottom	153.5x95.5x50 mm
3800508006	Block	12 mm x 12	12.5 mm	Round bottom	153.5x95.5x50 mm
3800508007	Block	13 mm x 12	13.5 mm	Round bottom	153.5x95.5x50 mm
3800508008	Block	15 mm x 12(7ml tube)	15.5 mm	Round bottom	153.5x95.5x50 mm
3800508009	Block	16 mm x 12(10ml/15ml tube)	16.5 mm	Round bottom	153.5x95.5x50 mm
3800508010	Block	19 mm x 12	19.5 mm	Round bottom	153.5x95.5x50 mm
3800508011	Block	20 mm x 12	20.5 mm	Round bottom	153.5x95.5x50 mm

CON11-WB 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. l 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	CON11-WB
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, Φ 5 x 20
Dimension (WxDxH)	W.390xD.300xH.850 mm
Net Weight	9.5 kgs

CON16-SC SAMPLE CONCENTRATOR

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

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SPECIFICATIONS

Model	CON16-SC
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
Needle Plate Max. Lift Stroke	285 mm
Gas-in Joint Outer Diameter	Φ 7 mm
Nitrogen Pressure	≤0.1 MPa
Nitrogen Flow Rate	0~10 L/min
Needle Length	150 mm
Sample Capacity	2 standard block
Voltage	AC 220 V/AC 110 V, 50/60 Hz
Power	200 W
Fuse	250 V, 2 A / 3 A, Φ 5 x 20
Dimension (WxDxH)	200x230x525 mm
Net Weight	5.1 kgs

OPTIONAL ACCESSORIES

Accessory Code	Name	Specification	Dia. of hole	Hole bottom shape	Block dimension
3800507005	Block	6 mm x 12	6.5 mm	Round bottom	95.5x76.5x50 mm
3800507006	Block	7 mm x 12	7.5 mm	Round bottom	95.5x76.5x50 mm
3800507010	Block	15 mm x 12(7ml tube)	15.5 mm	Round bottom	95.5x76.5x50 mm
3800507011	Block	16 mm x 12(10ml/15ml tube)	16.5 mm	Round bottom	95.5x76.5x50 mm
3800507012	Block	19 mm x 12	19.5 mm	Round bottom	95.5x76.5x50 mm
3800507013	Block	20 mm x 6	20.5 mm	Round bottom	95.5x76.5x50 mm
3800507018	Block	1.5 ml x 12	10.8 mm	Round bottom	95.5x76.5x50 mm
3800507019	Block	2.0 ml x 12	10.8 mm	Round bottom	95.5x76.5x50 mm
3800507020	Block	0.2 ml x 12	6.1 mm	Round bottom	95.5x76.5x50 mm
3800507021	Block	Customized	Customized	Round bottom	95.5x76.5x50 mm
3800507007	Block	10 mm x 12	10.5 mm	Round bottom	95.5x76.5x50 mm
3800507008	Block	12 mm x 12	12.5 mm	Round bottom	95.5x76.5x50 mm
3800507009	Block	13 mm x 12	13.5 mm	Round bottom	95.5x76.5x50 mm
3800507014	Block	26 mm x 6	26.5 mm	Round bottom	95.5x76.5x50 mm
3800507015	Block	28 mm x 4(50ml tube)	28.5 mm	Flat bottom	95.5x76.5x50 mm
3800507016	Block	40 mm x 2	40.5 mm	Round bottom	95.5x76.5x50 mm
3800507017	Block	0.5 ml x 12	8 mm	Cone bottom	95.5x76.5x50 mm

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