

# Sample Concentrator

## ND100-1



### Description:

◆ ND100-1 Sample Concentrator is with microprocessor controlled and PID fuzzy controlled technique. Instead of traditional water bath device, the heat-conducting medium is high purity aluminum. The Test tubes are held in a block, and blowing a large number of samples at one time. It can be used in residue analysis, commodity inspection, food, environment, pharmacy and biological product and other industries.

### Features:

- ◆ High precision and wide range of temp control.
- ◆ Blowing a large number of samples at one time.
- ◆ Blowing each sample independently.
- ◆ Amount of airflow can be adjusted.
- ◆ Easy operation; safe and reliable to use.
- ◆ 12-month warranty.

### Parameters:

Project	Parameters
Temp. control range	RT.+5°C-160°C
Temp. uniformity	≤±0.5°C
Display accuracy	0.1°C
Heating time	≤15min(from 25°C to 160°C)
Nitrogen flow rate	15L/min
Nitrogen pressure	0.02Mpa(Gas needle≤16pcs) 0.05Mpa(Gas needle>16pcs)
Max power	300W
Dimension(mm)	260x220x450

Project	Parameters
Temp. accuracy	±0.5°C(@40°C)
Temp. accuracy	±1°C(@120°C)
Timing range	1min-99h59min/∞
Needle length	150mm
Block quantity	1
Voltage	AC220V or AC110V, 50/60Hz
Weight(kg)	7.0
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### Optional Blocks:

Type	Diameter	Capacity
MD03	10mm	24
MD04	12mm	24
MD05	13mm	24
MD06	15mm	16
MD07	16mm	16
MD08	19mm	12

Type	Diameter	Capacity
MD09	20mm	12
MD10	26mm	8
MD11	28mm	4
MD12	40mm	3
MD15	1.5ml(centrifuge tube)	24
MD16	2.0ml(centrifuge tube)	24

# Sample Concentrator

## ND100-2



### Description:

- ◆ ND100-2 Sample Concentrator is with microprocessor controlled and PID fuzzy controlled technique. Instead of traditional water bath device, the heat-conducting medium is high purity aluminum. The Test tubes are held in a block, and blowing a large number of samples at one time. It can be used in residue analysis, commodity inspection, food, environment, pharmacy and biological product and other industries.

### Features:

- ◆ High precision and wide range of temp control.
- ◆ Blowing a large number of samples at one time.
- ◆ Blowing each sample independently.
- ◆ Amount of airflow can be adjusted.
- ◆ Easy operation; safe and reliable to use.
- ◆ 12-month warranty.

### Parameters:

Project	Parameters
Temp. control range	RT.+5°C-160°C
Temp. uniformity	±0.5°C
Display accuracy	0.1°C
Heating time	≤15min(from 25°C to 160°C)
Nitrogen flow rate	15L/min
Nitrogen pressure	0.02Mpa(Gas needle≤16pcs) 0.05Mpa(Gas needle>16pcs)
Max power	500W
Dimension(mm)	260x220x450

Project	Parameters
Temp. accuracy	±0.5°C(@40°C)
Temp. accuracy	±1°C(@120°C)
Timing range	1min-99h59min/∞
Needle length	150mm
Block quantity	2
Voltage	AC220V or AC110V, 50/60Hz
Weight(kg)	7.5
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### Optional Blocks:

Type	Diameter	Capacity
MD03	10mm	24
MD04	12mm	24
MD05	13mm	24
MD06	15mm	16
MD07	16mm	16
MD08	19mm	12

Type	Diameter	Capacity
MD09	20mm	12
MD10	26mm	8
MD11	28mm	4
MD12	40mm	3
MD15	1.5ml(centrifuge tube)	24
MD16	2.0ml(centrifuge tube)	24

# Sample Concentrator

## ND200-1



### Description:

- ◆ ND200-1 Sample Concentrator is with microprocessor controlled and PID fuzzy controlled technique. Instead of traditional water bath device, the heat-conducting medium is high purity aluminum. The Test tubes are held in a block, and blowing a large number of samples at one time. It can be used in residue analysis, commodity inspection, food, environment, pharmacy and biological product and other industries.

### Features:

- ◆ High precision and wide range of temp control.
- ◆ Blowing a large number of samples at one time.
- ◆ Blowing each sample independently.
- ◆ Amount of airflow can be adjusted.
- ◆ Easy operation; safe and reliable to use.
- ◆ 12-month warranty.

### Parameters:

Project	Parameters
Temp. control range	RT.+5°C-160°C
Temp. uniformity	±0.5°C
Display accuracy	0.1°C
Heating time	≤15min(from 25°C to 160°C)
Nitrogen flow rate	15L/min
Nitrogen pressure	0.1Mpa
Max power	300W
Dimension(mm)	260x220x475

Project	Parameters
Temp. accuracy	±0.5°C(@40°C)
Temp. accuracy	±1°C(@120°C)
Timing range	1min-99h59min/∞
Needle length	150mm
Block quantity	1
Voltage	AC220V or AC110V, 50/60Hz
Weight(kg)	6.0
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### Optional Blocks:

Type	Diameter	Capacity
MD50	10mm	12
MD51	12mm	12
MD52	13mm	12
MD53	15mm	12

Type	Diameter	Capacity
MD54	16mm	12
MD55	19mm	12
MD56	20mm	12
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# Sample Concentrator

## ND200-2



### Description:

- ◆ ND200-2 Sample Concentrator is with microprocessor controlled and PID fuzzy controlled technique. Instead of traditional water bath device, the heat-conducting medium is high purity aluminum. The Test tubes are held in a block, and blowing a large number of samples at one time. It can be used in residue analysis, commodity inspection, food, environment, pharmacy and biological product and other industries.

### Features:

- ◆ High precision and wide range of temp control.
- ◆ Blowing a large number of samples at one time.
- ◆ Blowing each sample independently.
- ◆ Amount of airflow can be adjusted.
- ◆ Easy operation; safe and reliable to use.
- ◆ 12-month warranty.

### Parameters:

Project	Parameters
Temp. control range	RT.+5°C-160°C
Temp. uniformity	±0.5°C
Display accuracy	0.1°C
Heating time	≤15min(from 25°C to 160°C)
Nitrogen flow rate	15L/min
Nitrogen pressure	0.1Mpa
Max power	500W
Dimension(mm)	260x220x475

Project	Parameters
Temp. accuracy	±0.5°C(@40°C)
Temp. accuracy	±1°C(@120°C)
Timing range	1min-99h59min/∞
Needle length	150mm
Block quantity	2
Voltage	AC220V or AC110V, 50/60Hz
Weight(kg)	7.5
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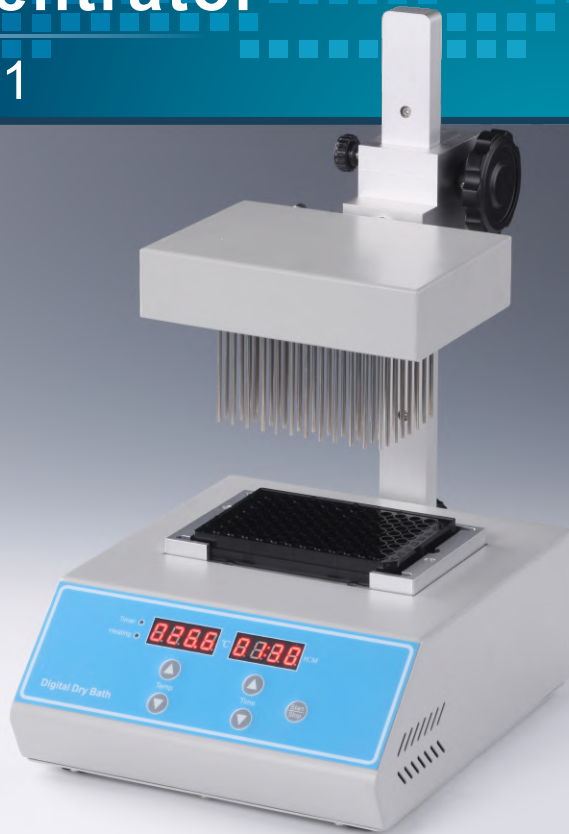
### Optional Blocks:

Type	Diameter	Capacity
MD50	10mm	12
MD51	12mm	12
MD52	13mm	12
MD53	15mm	12

Type	Diameter	Capacity
MD54	16mm	12
MD55	19mm	12
MD56	20mm	12
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# Sample Concentrator

## ND300-1



### Description:

- ◆ ND300-1 Sample concentrator is a high precision temperature control instrument with microprocessor controlled and PID fuzzy controlled technique. It works by blowing nitrogen in the surface of sample which is being heated to accelerate evaporating and separating the solvent in the samples without oxygen. Instead of rotary evaporation instrument, nitrogen sample concentrator can efficiently concentrate a large of samples simultaneously.

### Features:

- ◆ High precision and wide range of temp control.
- ◆ Blowing a large number of samples at one time.
- ◆ Blowing each sample independently.
- ◆ Easy operation; safe and reliable to use.

### Parameters:

Project	Parameters
Temp. control range	RT.+5°C-160°C
Temp. uniformity	≤±0.5°C
Display accuracy	0.1°C
Heating time	≤15min(from 25°C to 160°C)
Max gas usage	15L/min
Max gas pressure	0.05Mpa
Max power	500W
Dimension(mm)	220x310x385

Project	Parameters
Temp. accuracy	±0.5°C(@40°C)
Temp. accuracy	±1°C(@120°C)
Timing range	1min-99h59min/∞
Max vertical travel	150mm
Block quantity	1
Voltage	AC220V or AC110V, 50/60Hz
Weight(kg)	7.5
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### Optional Blocks:

Type	Test tube diameter	Capacity
MD17	0.2ml PCR plate	96

Type	Test tube diameter	Capacity
MD18	Elisa plate	96

# Sample Concentrator (visible)

## ND400



### Description:

- ◆ ND400 Sample Concentrator (visible) is a high precision temperature control instrument with microprocessor controlled and PID fuzzy controlled technique, its working principle is to blow nitrogen rapid, continuous on the heating surface of the sample. Instead of traditional water bath device, this adopts heat-conducting medium, which is high purity aluminum with good heat transfer. The Test tubes are held in a block, and blowing a large number of samples at one time. It can be used in residue analysis, commodity inspection, food, environment, pharmacy and biological product and other industries.

### Features:

- ◆ High precision and wide range of temp control.
- ◆ Blowing a large number of samples at one time.
- ◆ Blowing each sample independently.
- ◆ Amount of airflow can be adjusted.
- ◆ With special slotting-design block, surface location of concentrated samples can be observed.
- ◆ Easy operation; safe and reliable to use.

### Parameters:

Project	Parameters
Temp. control range	RT.+5°C-160°C
Temp. uniformity	±0.5°C
Display accuracy	0.1°C
Heating time	≤15min(from 25°C to 160°C)
Nitrogen flow rate	15L/min
Nitrogen pressure	0.1Mpa
Max power	500W
Dimension(mm)	260x220x475

Project	Parameters
Temp. accuracy	±0.5°C(@40°C)
Temp. accuracy	±1°C(@120°C)
Timing range	1min-99h59min/∞
Needle length	150mm
Block quantity	1
Voltage	AC220V or AC110V, 50/60Hz
Weight(kg)	7.3
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### Optional Blocks:

Type	Diameter	Depth	Capacity
RC02 027 001	10.5mm	50mm	12
RC02 027 002	12.5mm	50mm	12
RC02 027 003	13.5mm	50mm	12
RC02 027 004	15.5mm	50mm	12

Type	Diameter	Depth	Capacity
RC02 027 005	16.5mm	50mm	12
RC02 027 006	19.5mm	50mm	12
RC02 027 007	20.5mm	50mm	12
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# Sample Concentrator

## WD1000



### Description:

WD1000 Water Bath Sample Concentration consists of a base and supporting assembly, sample holder and gas distribution system. Test tubes are placed by a spring-loaded sample holder and support tray. The gas passes through the flow meter to the distribution system. Flexible tubing leads gas to valve-tube assemblies at each position. Depending on the test-tube size and solvent volume, they can be individually raised or lowered to the correct height. Needles blow gas onto the surface of the solution resulting in rapid evaporation of the solvent.

### Features:

- ◆ LCD display, easy operation; safe and reliable to use.
- ◆ Water bath provides gentle heat.
- ◆ Accommodates sample in tubes(diameter 10~29mm), volume(1~ 50ml).
- ◆ 12positions, each position is numbered.
- ◆ Blowing each sample independently.
- ◆ With liquid-level sensor, have alarming function when dry heating.
- ◆ The lifting needle valve controls the gas consumption at each position.
- ◆ All parts are anti-corrosion, durable in use, easy to clean.

### Parameters:

Project	Parameters
Temp. range	RT.+5°C~99°C
Time range	1min~99h59min/∞
Display accuracy	0.1°C
Temp accuracy	±1°C
Temp uniformity	±1°C (@60°C)
Heating time	≤30min ( 40°C-99°C )
Samples position	12positions
Dimension(mm)	390×300×850

Project	Parameters
Tube size	φ10~φ29(liquid volume 1ml~50ml)
Max vertical travel	200mm
Max gas pressure	200Kpa
Max gas usage	15L/min
Gas joint diameter	φ8mm
Power	1000W
Fuse	250V 8A φ5×20
Weight(kg)	10