

NDK200 Sample Concentration

The nitrogen sample concentrator NDK200 is mainly used for concentrating or preparing sample in batch. Such as drug screening, hormone analysis, liquid phase and mass spectrometry in the analysis of sample preparation. 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 the rotary evaporation instrument, nitrogen sample concentrator can efficiently concentrate dozens of samples simultaneously.



Airway switch x12

No Waste for Gas



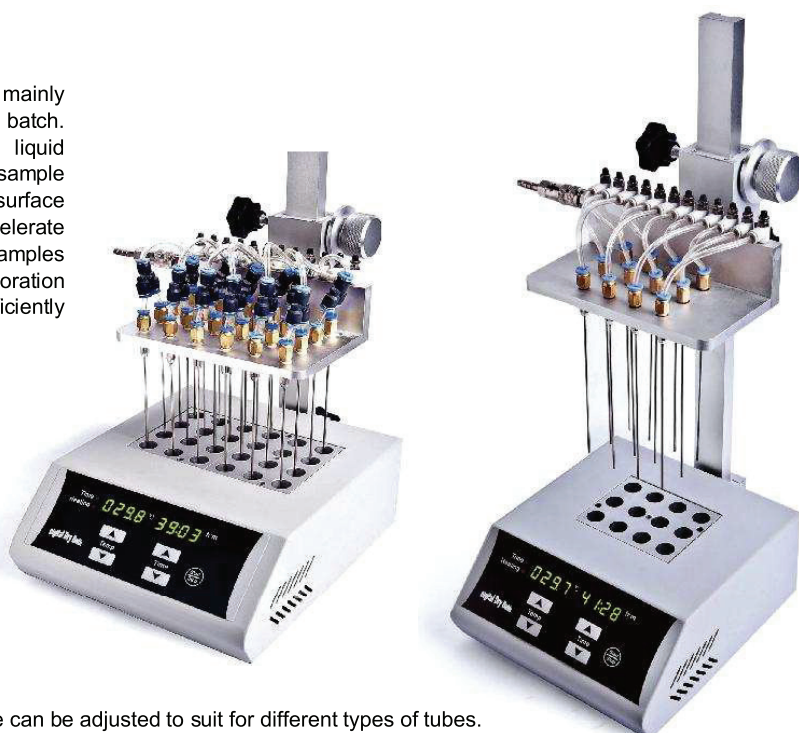
Long product life

Long Life



LED Display

LED Display



【 Product Features 】

1. The position of gas needle in air chamber plate can be adjusted to suit for different types of tubes.
2. The height of the air chamber plate can be adjusted. The length of a standard gas needle is 150mm.
3. Gas needle is controlled independently. Separately blow of each needle and flow regulating of each needle are available to avoid gas waste.
4. The entire equipment can be put into ventilation cabinet when the concentration sample in toxic solvents.
5. Built in overheat protection, automatic fault detection and fault beep alarm devices.
6. LED display immediate temperature and diminishing time. Operation is simple and convenient. Uncertain time can be set for continuous operation.
7. Synchronously working with heating by dry bath in the bottom and nitrogen blowing on the surface accelerates liquid evaporation and sample concentration.
8. Standard configured air cavity and adjustable bracket.

【 Technical Parameters 】

Model	NDK200-1	NDK200-2
Temp. Control Range	R.T.+5℃ ~150℃	R.T.+5℃ ~150℃
Temp. Setting Range	5℃ ~150℃	5℃ ~150℃
Temp. Stability@40~100℃	≤±0.5℃	≤±0.5℃
Temp. Stability@100~150℃	≤±1℃	≤±1℃
Block Temp. Uniformity@100℃	≤±0.5℃	≤±0.5℃
Block Temp. Uniformity@150℃	≤±1℃	≤±1℃
Temp. Display Accuracy	0.1℃	0.1℃
Heating Speed	≤30min (40℃ to 150℃)	≤30min (40℃ to 150℃)
Time Range	1min ~99h59min or continuous	1min ~99h59min or continuous
Needle Plate Max. Lift Stroke	285mm	285mm
Gas-in Joint Outer Diameter	Φ7mm	Φ7mm
Nitrogen Pressure	≤0.1MPa	≤0.1MPa
Nitrogen Flow Rate	0 ~10L/min	0 ~10L/min
Needle Length	150mm	150mm
Sample Capacity	1 Standard Block	2 Standard Blocks
Voltage	AC 220V / AC 110V, 50/60Hz	AC 220V / AC 110V, 50/60Hz
Power	200W	400W
Fuse	250V, 2A/3A, Φ5×20	250V, 3A/6A, Φ5×20
Dimension (WxDxH)	200 x 230 x 525mm	200 x 260 x 525mm
Net Weight	5.1kgs	6.1kgs

【 Optional Blocks 】

Cat#	Spec	Dia. of hole	Hole bottom shape	Block dimension
DT01A	6 mm x 12	6.5 mm	Round bottom	95.5 x 76.5 x 50 mm
DT02A	7 mm x 12	7.5 mm	Round bottom	95.5 x 76.5 x 50 mm
DT03A	10 mm x 12	10.5 mm	Round bottom	95.5 x 76.5 x 50 mm
DT04A	12 mm x 12	12.5 mm	Round bottom	95.5 x 76.5 x 50 mm
DT05A	13 mm x 12	13.5 mm	Round bottom	95.5 x 76.5 x 50 mm
DT06	15 mm x 12	15.5 mm	Round bottom	95.5 x 76.5 x 50 mm
DT07	16 mm x 12	16.5 mm	Round bottom	95.5 x 76.5 x 50 mm
DT08	19 mm x 12	19.5 mm	Round bottom	95.5 x 76.5 x 50 mm
DT09	20 mm x 6	20.5 mm	Round bottom	95.5 x 76.5 x 50 mm
DT10	26 mm x 6	26.5 mm	Round bottom	95.5 x 76.5 x 50 mm
DT11	28 mm x 4	28.5 mm	Flat bottom	95.5 x 76.5 x 50 mm
DT12	40 mm x 2	40.5 mm	Round bottom	95.5 x 76.5 x 50 mm
DT13A	0.5 ml x 12	8 mm	Cone bottom	95.5 x 76.5 x 50 mm
DT14A	1.5 ml x 12	10.8 mm	Cone bottom	95.5 x 76.5 x 50 mm
DT15A	2.0 ml x 12	10.8 mm	Round bottom	95.5 x 76.5 x 50 mm
DT16A	0.2 ml x 12	6.1 mm	Cone bottom	95.5 x 76.5 x 50 mm
DT19	Customized	Customized	Customized	Customized



DT01



DT02



DT03



DT04



DT05



DT06



DT07



DT08



DT09



DT10



DT11



DT12



DT13



DT14



DT15



DT16

Flow regulating valve



【 Common Configuration 】

Optional blocks from DT01A to DT16A. Block can be interchanged easily, common configuration DT06 block. Optional regulating valve.