

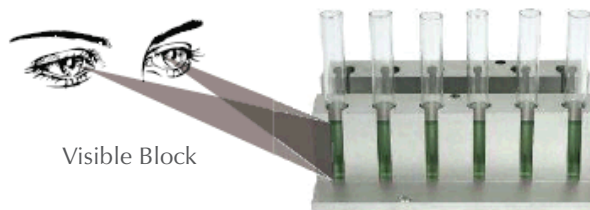
TT-200N-VSC Visible Sample Concentrator

HIGHLIGHTS

- Concentrate dozens of samples simultaneously
- Sample level of the concentrate can be observed during operation
- 12 independent gas control valves and optional flow regulating valve minimize wastage of nitrogen gas
- Can be used in fume hood when concentrating toxic solvents
- Adjustable gas needle position to suit different types of sample tubes
- Simple installation, operation and maintenance
- Built-in over temperature protection device, automatic fault detection system and alarm function
- Digital display of temperature and time
- Compact foot print, fits all standard fume hood

TT-200N-VSC Visible Sample Concentrator is intended to provide rapid evaporation of solvents from samples in test tubes or containers. It works under the principle of solvent evaporation to concentrate samples. By heating the samples/ solution in a dry block heater coupled with a stream of inert gas (nitrogen) direct to the surface of the sample, vapour is rapidly driven off and the sample is quickly concentrated. The unique design of the block enables sample level to be observed during operation.

The sample concentrator is built with gas manifold plate mounted onto a height adjustable stand which allows flexible positioning above the samples. There are 12 independent gas control valves that are used to control the gas flow towards the surface of each sample via gas needles. Furthermore, any unused needle can be lifted conveniently to avoid gas wastage. It is a compact device commonly used to replace high cost rotary evaporators and safe to be used in fume hood.



Visible Block

APPLICATIONS

- Molecular biology, drug screening and analytical procedures (HPLC, GCMS), hormone assays
- Remove solvent from DNA samples
- Chromatographic analysis

OPTIONAL ACCESSORIES



TT-200N-VSC-NK01



TT-200N-VSC-NK02



TT-200N-VSC-NK03



TT-200N-VSC-NK04



TT-200N-VSC-NK05



TT-200N-VSC-NK06



TT-200N-VSC-NK07



TT-SC-V

TECHNICAL DATA

Specifications

TT-200N-VSC Visible Sample Concentrator

Temperature control range	R.T. +5° – 150°
Temperature stability at 40 -100°C	±0.5°C
Temperature stability at 100 -150°C	±1.0°C
Block temperature uniformity at 100°C	±0.5°C
Block temperature uniformity at 150°C	±1.0°C
Temperature display accuracy	0.1°C
Heating speed	≤30 min (40°C to 150°C)
Digital time setting	1 min – 99h 59min or continuous
Maximum vertical travel	285 mm
Outer diameter of gas inlet	Ø 7 mm
Nitrogen pressure	≤0.1MPa
Nitrogen flow rate	0 – 10L/min
Needle length	150 mm
Sample capacity	1 standard visible block
Voltage	AC 110V / AC 220V, 50/60 Hz
Power	400W
Fuse	250V, 3A/6A, Ø5x20
Dimension (W x D x H)	220 x 260 x 525 mm
Net weight	5.8 kg
Permissible ambient temperature	5°C – 30°C
Permissible relative humidity	≤70%

ORDERING INFORMATION

Specifications

Visible Sample Concentrator

TT-200N-VSC-110V	Visible Sample Concentrator TT-200N-VSC, R.T. +5-150°C, 1 Block Configured, AC 110V
TT-200N-VSC-220V	Visible Sample Concentrator TT-200N-VSC, R.T. +5-150°C, 1 Block Configured, AC 220V

ACCESSORIES

Cat. No.	Block for Visible Sample Concentrator	Diameter of block well	Bottom shape of block well	Dimension
TT-200N-VSC-NK01	12 x 10 mm	10.5 mm	Round bottom	153.5 x 95.5 x 50 mm
TT-200N-VSC-NK02	12 x 12 mm	12.5 mm	Round bottom	153.5 x 95.5 x 50 mm
TT-200N-VSC-NK03	12 x 13 mm	13.5 mm	Round bottom	153.5 x 95.5 x 50 mm
TT-200N-VSC-NK04	12 x 15 mm	15.5 mm	Round bottom	153.5 x 95.5 x 50 mm
TT-200N-VSC-NK05	12 x 16 mm	16.5 mm	Round bottom	153.5 x 95.5 x 50 mm
TT-200N-VSC-NK06	12 x 19 mm	19.5 mm	Round bottom	153.5 x 95.5 x 50 mm
TT-200N-VSC-NK07	12 x 20 mm	20.5 mm	Round bottom	153.5 x 95.5 x 50 mm

Cat. No.

Flow Regulating Valve

TT-SC-V	Flow Regulating Valve for Sample Concentrator
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