



mini-ComfyVapor™ Sample Concentrator

mini-ComfyVapor™ concentrator is an inexpensive alternative to rotary evaporator and concentrator when numbers of samples must be processed. The evaporation of the solvent is accelerated by gassing with nitrogen which is a gentle method for oxidation sensitive samples. The built-in metal block thermostats are used to compensate for evaporation by maintaining the constant temperature of the system.

mini-ComfyVapor™ adopts the microcomputer processing and PID control technique to rapidly, continuously and controllably blow nitrogen to the surface of the sample. Aluminum block enables fast and uniform heat transfer to enhance the heating rate and precise temperature control. User can set the heating temperature based on the evaporation rate and the boiling point of solvent.



Cat. No. : MICV-06

Applications : pesticide analysis, environmental analysis, bioanalysis, food and beverage analysis

Features:

- Combination with block heater and passing nitrogen over the surface of the sample produces ideal conditions for fast, efficient evaporation
- Light and compact design for convenient use in a fume cupboard when toxic solvents are being evaporated.
- The unique patented airflow control design reinforces the gas tightness and eliminates the risk of gas leakage.
- Easily raise/press the needles, then the on/off status of each manifold can be visibly observed
- 6 Airway control switches greatly reduce gas waste
- Over-heating protection device, Automatic fault detection, Buzzer alarm when program completion
- Instantly displays temperature and diminishing time
- The independent blowpipes minimize the risk of cross-contamination.
- Fully adjustable stand for accurate height control.

Temperature Range	RT+5 °C - 100 °C
Temp. Control Accuracy	± 0.5°C (40~100°C) ±1°C (100~150°C)
Temp Control stability	±0.5°C (100°C)
Display Accuracy	0.1°C
Heating Time	≤15min (from 20 °C to 100 °C)
Timing Range	1 ~ 999min or 1 ~ 999 sec
Standard Needle length	150mm
Maximum vertical travel	320mm
Gas	Any inert gas (often nitrogen)
Gas usage	0—10L/min
Gas pressure	≤0.1MPa
Optional blocks	6 x ϕ 15mm / 6 x ϕ 16mm
Power Supply	AC100 ~ 240V DC24V
Max. / Avg Power	60 / 15 W
Dimension (W×D×H)	110mm x 156mm x 400mm
Net Weight	1.0Kg