

# FlexiVap-12/24

## Automatic Intelligent Parallel Concentrator



With angle-adjustable nozzles, FlexiVap-12/24 achieves maximum intelligence and efficiency while ensuring sample recovery and satisfactory parallelism.

Each nozzle, independently controlled, is equipped with a liquid-level sensor to detect sample volume. 4 working modes are optional on 10.1" HD control terminal.

### Application Fields



▶ Environmental Monitoring



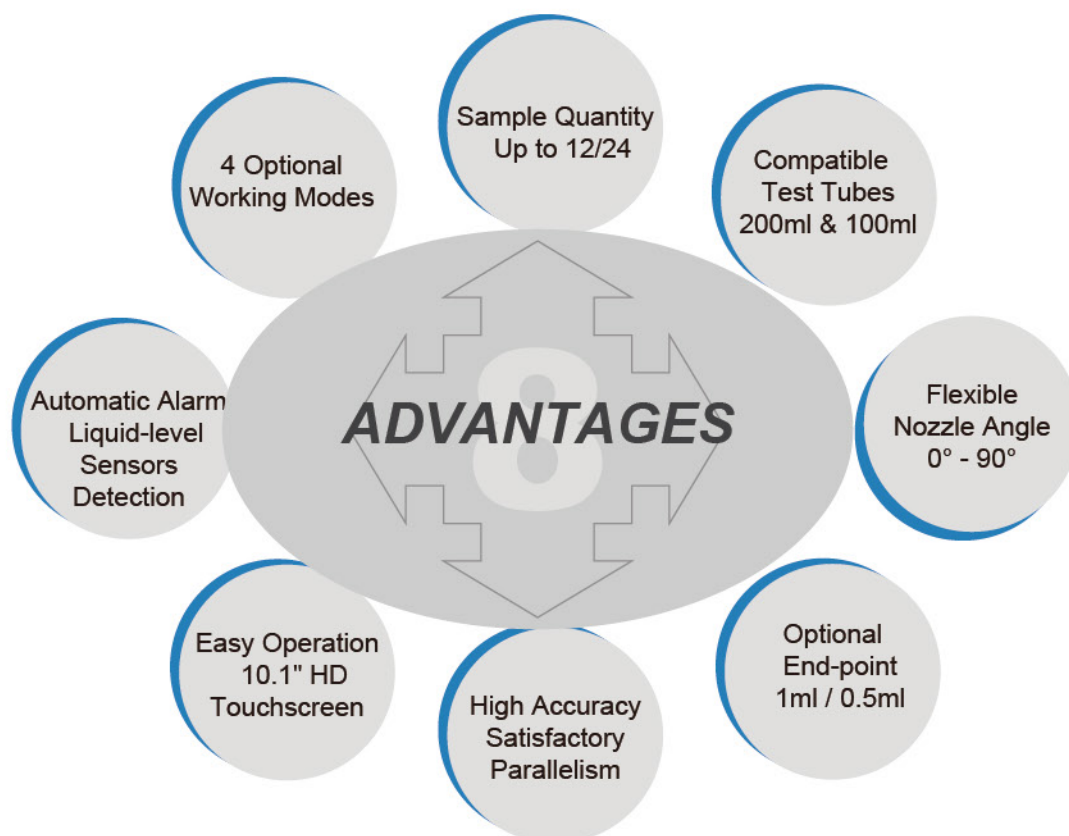
▶ Agricultural Product Testing



▶ Food Safety



▶ Drug Analysis & Biochemical Analysis





Optional concentration tubes (200ml, 100ml & 50ml) with matching end-points (1ml or 0.5ml). Available evaporation mode meets specific requirements.

As soon as the liquid-level sensors detect that solvents have reached the preset end-point, there will be an automatic alarm.

Concentration process will automatically stop when top cover is opened manually and continue when it is closed again, without any additional operations.

Nitrogen nozzle angle is automatically adjusted from 0° to 90°, which improves concentration efficiency.

Controlled by PID technology, temperature range: room temperature ~ 100 °C; temperature accuracy:  $\pm 0.1$  °C, which guarantees uniform heating in water bath.

Controlled by PID technology, pressure range: 1~72.5psi; pressure accuracy:  $\pm 0.5$ psi; response time:  $\leq 2$  S. Pressure will be adjusted automatically according to the concentration process.

With intelligent acoustic-optic system, different lighting colors imply corresponding running status and front-end window provides a clear view of the whole concentration process.



Maximum 12/24 large-volume samples work simultaneously.

10.1" HD color touchscreen visually displays the graphical interface with easy control.

Online remote monitoring (DTLabs) presents real-time display of running status and operating parameters.

Real-time display of nozzle angle, nitrogen pressure, concentration time, water bath temperature, etc..

4 optional working modes: End-point Mode; Timing Mode; Mixed Mode (End-point + Timing); Manual Mode.

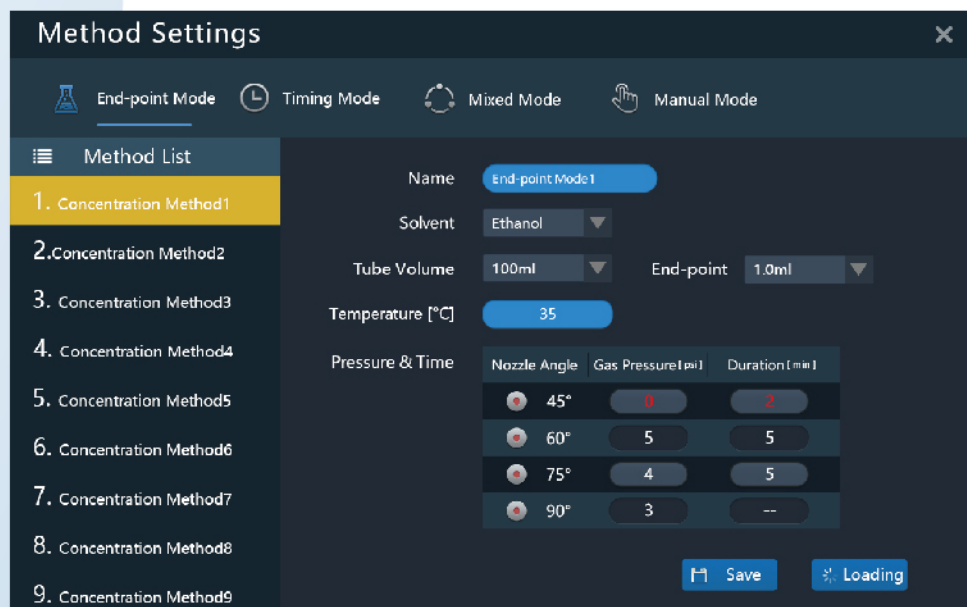
Test tube rack and water bath are both coated with PTFE for anti-corrosion and anti-rust, which improves the durability and maintain good appearance.

The whole sealed system with an effective exhaust device does not occupy too much space of fume hood. Matching drain hose makes drainage convenient and efficient.



## ► Control Software

- Optimal human-computer interaction experience: 10.1" HD color touchscreen visually displays the graphical interface with easy control. Quick switch between Chinese and English interfaces.
- Meeting different application demands: 4 optional working modes: End-point Mode; Timing Mode; Mixed Mode (End-point + Timing); Manual Mode.
- Accessible real-time and saved information: control terminal has real-time display of nitrogen pressure, nozzle angle, water bath temperature, concentration time, etc.. Online editing and saving of concentration parameters are available.
- Flexible and convenient operation: each nitrogen channel is controlled independently to start or stop flowing gas at any time.





**iQSE-06****Quick Solvent Extraction System**

iQSE-06 rapidly extracts 6 (semi-)solid samples simultaneously under high temperature and high pressure which ensures good parallelism and greatly reduces processing time and solvent consumption.

