# Auto EVA 80
# Automated Evaporation system
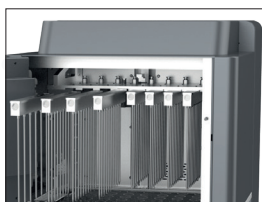
Auto EVA 80 Automated Evaporation System is the lastest upgrade of previous concentration solution Auto EVA 60. Integrated the features of Auto EVA 60, upgraded Auto EVA 80 high-throughput nitrogen evaporator continues to have needle following function, to maintain optimal distance between needle tips to liquid level; also to ensure gas above samples always guarded by positive-pressure nitrogen gas, to avoid any oxygen and moist from the air; hence, to achieve efficient and parallel concentration to all samples.

## Multi-channel design

▪ Individually control to gas flow of each channel

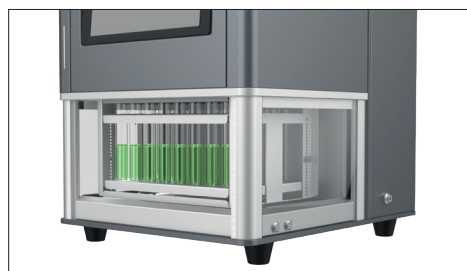▪ Quick-disassembled nitrogen blowing needle, easy to clean and use, greatly improves user experience

## Transparent water bath sink
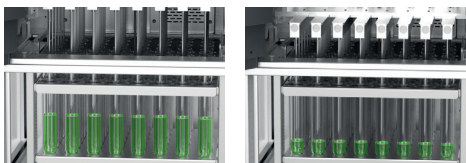
▪ Three-sided transparent glass window, to maximize viewing area to sample rack for clear observation and monitoring.

## Built-in touch screen
## Three-sided tranparent window
## Rapid lifting of nitrogen blowing needle

Upgrade

Auto EVA 60
Automated Evaporation System

## Application field

▪ Environment: Sample concentration in analysis of water, soil and gaseous samples

▪ Food: Sample concentration in detection of pesticide and veterinary drug residues

▪ Others: Biochemical analysis, pharmaceuticals, polymer materials

Needles tracing liquid level, maintain optimal distance for full concentration.

## Good parallelism of nitrogen blowdown

▪ Utilize high-strength diameter-reduction nitrogen blowing needles allowing the needle tips at the centre of sample tubes

▪ Each nitrogen blowing needle tip has the same inner diameter, ensuring same flow rate of each needle tip, to provide good consistency for sample evaporation
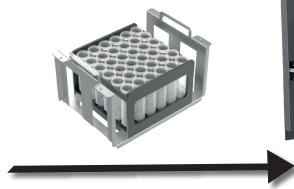
## Interchangeable sample racks between automated systems

▪ Large batch processing capability, simultaneously evaporate up to 80 samples

▪ Interchangeable sample rack compatible with Fotector Plus Automated Solid Phase Extraction, directly transfer collection rack of Fotector Plus into Auto EVA 80 for rapid nitrogen blowing evaporation, to eliminate repetive and time-consuming large sample transfer.

Compatible with Fotector Plus sample collection rack



Fotector Plus Automated Solid Phase Extraction

Auto EVA 80 Automated Evaporation System

## Comprehensive safety protection

▪ Built-in exhaust fan with active exhaust pipeline, to minimize the risk of reagent exposure

▪ Separated nitrogen blowing module and water bath heating module, to protect user safety to the greatest extent

▪ Able to detect air source pressure automatically, shutdown at low pressure; Alarm reminder for insurfficient water and drying.

## Optional configuration

Auto EVA-G series is a automated nitrogen gas generator, especially designed for evaporation and concentration in sample pre-treatment. It can provide continuous nitrogen gas for nitrogen evaporators and parallel concentrators, free from the trouble of frequent gas filling to high-pressure gas cylinders. It is a reliable and easy-to-use nitrogen generator with features of safety, high automation and minimal effect to the environment, to further improve the lab productivity of sample preparation.



Auto EVA-G Series
Automated Nitrogen Generator

**Dedicated to be a leading supplier in smart laboratory**

RayKol