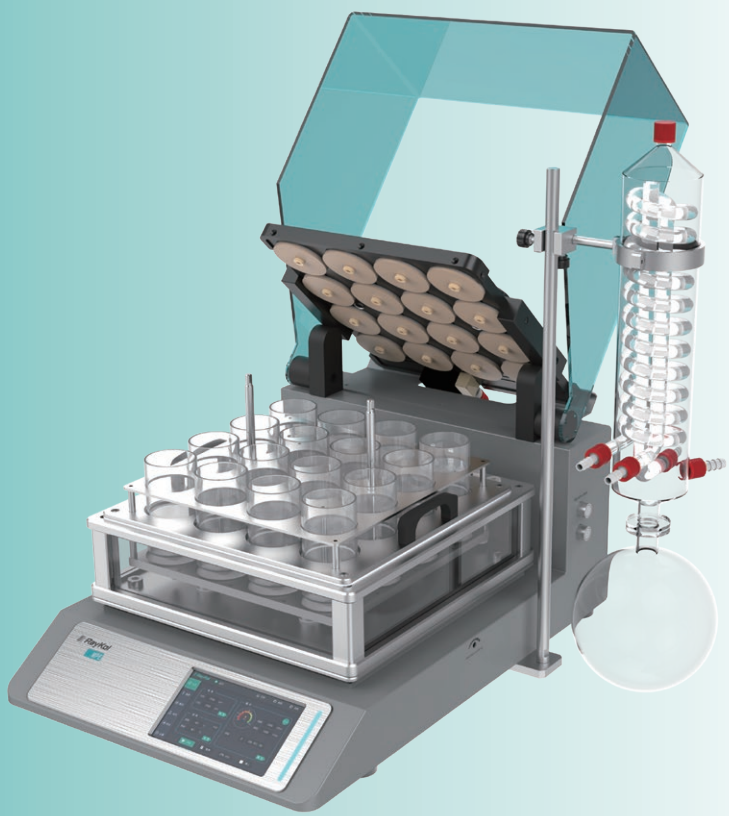
RayKol

Knowledge Optimized Laboratory



MPE High-throughput Vacuum Parallel Evaporator

Product Overview

In environmental pollution analysis and food safety analysis, in order to obtain accurate and reliable detection results for trace analysis, experimenters continue to pursue rapid concentration and no loss sample evaporation technology.

Raykol's MPE High-throughput Vacuum Parallel Evaporator is a new system adopts a precise digital vacuum control system and uniform water bath heating method to ensure that different samples are in the same evaporation environment and avoid azeotropic loss of the target compound with the solvent under low vacuum, thereby ensuring the accuracy and reliability of parallel analysis.

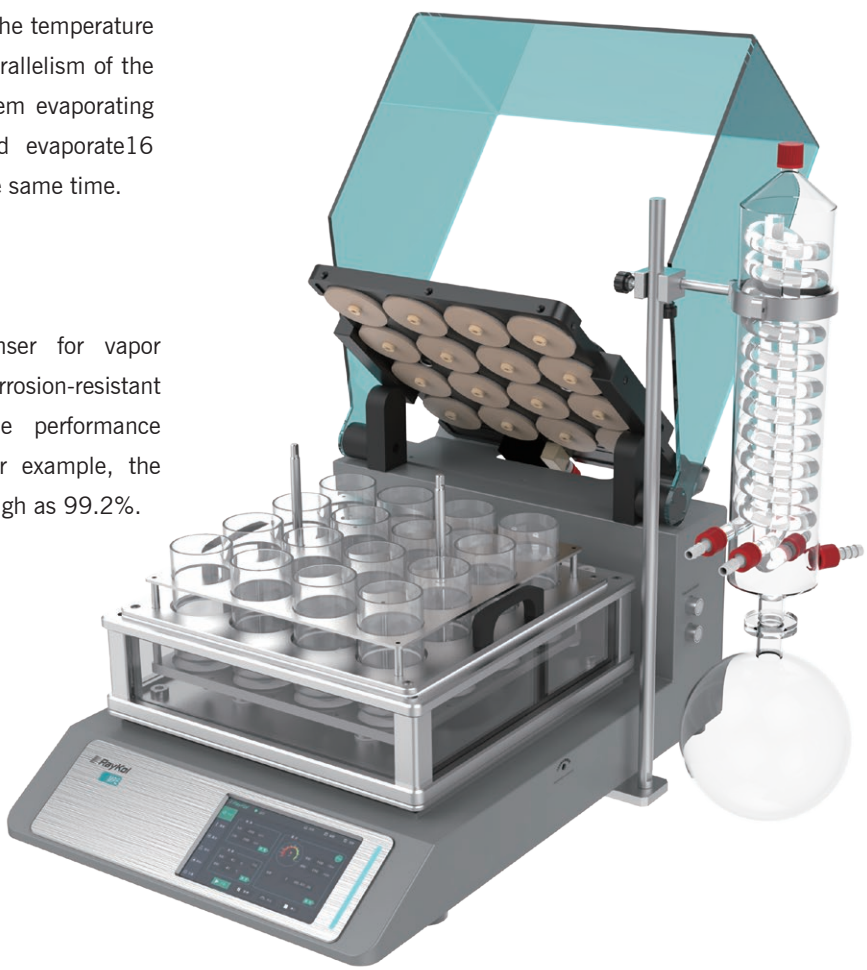
Product Features

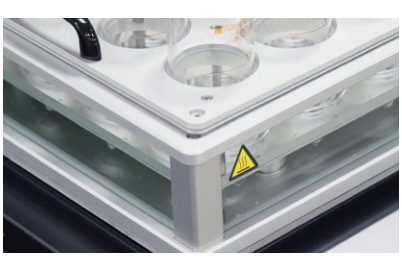
Accurate & High efficiency

The water bath is used as the heat transfer medium to ensure uniform heating, continuous and strict sealing, the temperature of each hole is the same, to ensure the high parallelism of the sample in the concentration process. The system evaporating process is very effective and quick, it could evaporate16 samples with large-volume(100-200 mL) at the same time.

Solvent recovery

The system has a low-temperature condenser for vapor condensation to recover solvents. The entire corrosion-resistant PTFE system provides durable and reliable performance guarantees for harsh vapor environments. For example, the recovery rate of acetonitrile (coolant 0°C) is as high as 99.2%.



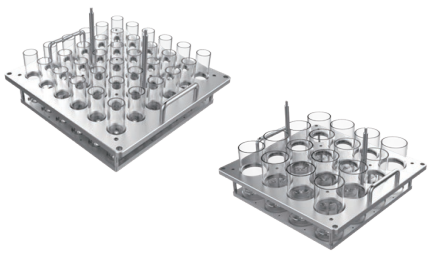


Samples	Evaporating Method	Time
16	Normal Rotary evaporator	320 min
16	MPE 16	**60min**

Soil SVOC sample 100mL
(Dichloromethane:Acetonel:1 v:v) concentrate to 1mL

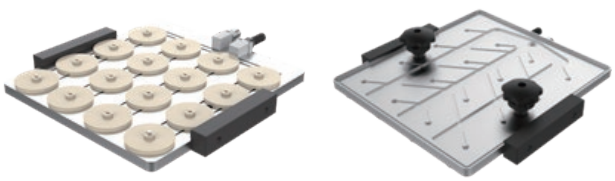
Good visible observation

The three sides of the water bath are transparent, so you can quickly check the evaporation condition of the sample. When the liquid level is close to 1mL or nearly dry as specified in the standard method, you can visually just the end point easily. Avoid the loss caused by excessive concentration.



No need Nitrogen

It avoids the inconvenience of using and handling nitrogen cylinders, and reduces the cost of nitrogen consumption.



Good compatibility

The station compatible with various kind of sample Tubes, making it applicable to different fields for samples Concentration, the maximum concentration volume can reach 200mL.

No cross-contamination

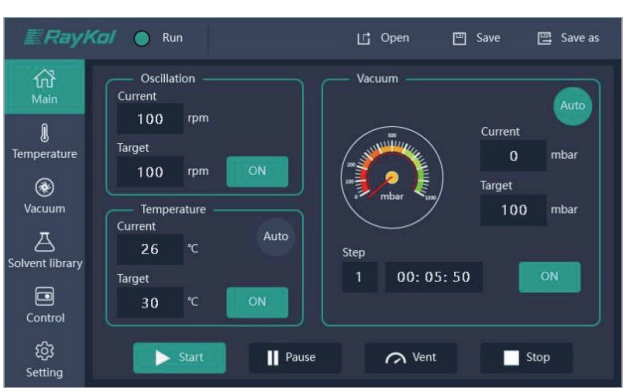
The quick-change sealing cover facilitates the quick change of different sample tubes. The cover heating design prevents the liquid from condensing on the cover p and accelerates the volatilization of the sample. Excellent diversion design, efficiently drain solvent waste gas, and prevent cross-contamination of sample at different locations.

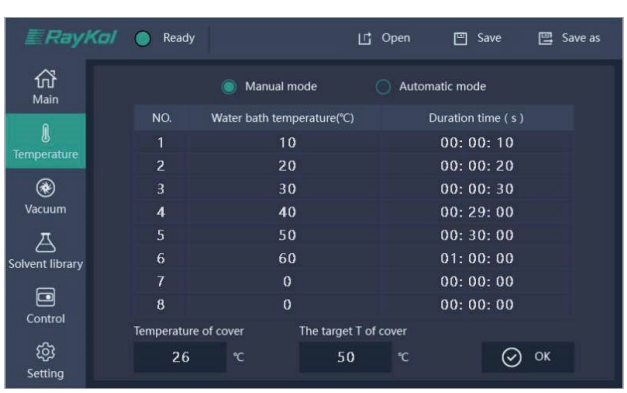
Anti-boiling design

Stable circular shaking, water bath heating, digital vacuum control mode, these can effectively avoid over boiling of the sample.The high-sensitivity ceramic sensor detects the vacuum degree in real time to avoid the loss of the target compound caused by the azeotropy of the sample under too low pressure.

Easy- operate Graphical software interface

With one touch screen, all parameters can be set up and saved. Including temperature, vacuum, time, shaking frequency and gradient evaporation. Even a first user can easily work through the equipment.





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