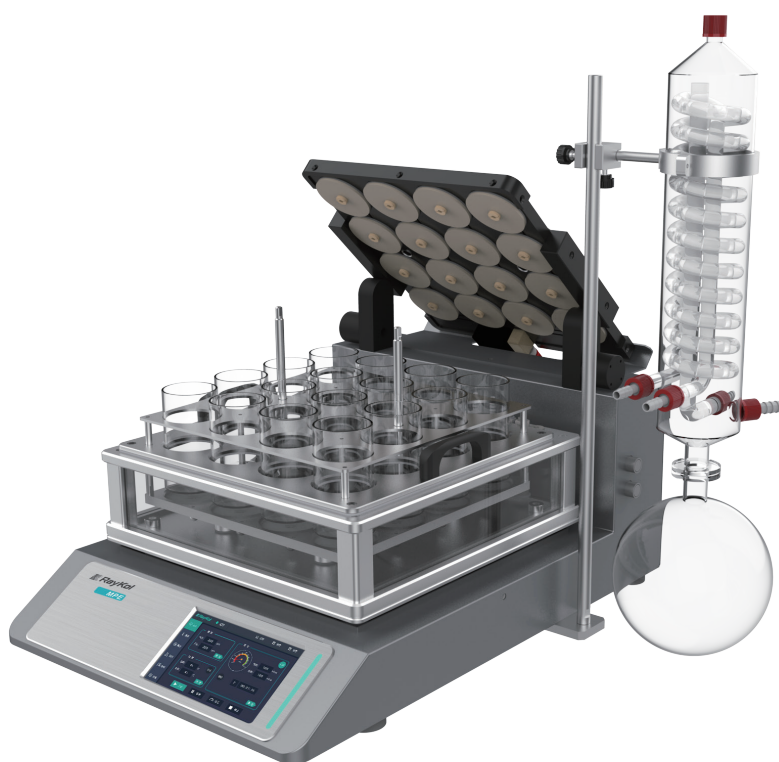# MPE
Automated Vacuum Evaporation System

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 automated vacuum evaporation system is a truly modern system combined with precise digital vacuum control and consistent precise temperature control system to concentrate multiple samples in parallel increases efficiency, accuracy and safety

Reliable and Efficient

The low-temperature heating system assures consistent and gentle heating of all samples in parallel to prevent the loss of volatile analytes in the sample. The system evaporating process is effective and fast, it could evaporate16 samples with large-volume(100-200 mL) at the same time.

Sample s	Evaporating Method	Time
16	Normal Rotary evaporator	320 min
16	MPE 16	60min

Soil SVOC sample 100mL
(Dichloromethane:Acetone1:1 v:v) concentrate to 1mL
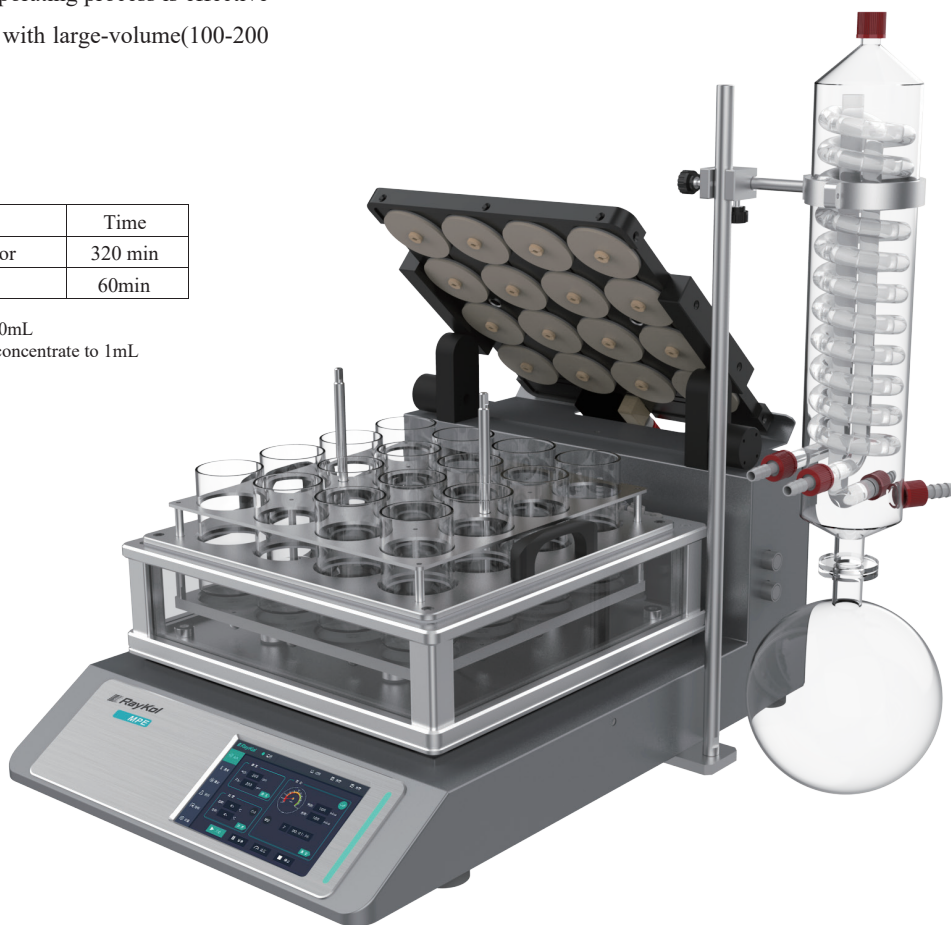
Start and walk away

MPE is fully automated and easy to use, allowing you to proceed with other tasks while it gets on with the job at hand. Process automation ensures the highest analytical precision and safety standards.

Safe and environmentally friendly

The system has an effective condenser system to recover vapor solvents. The entire corrosion-resistant, PTFE system ensures the safety of users and prevents vapor from leaking into the atmosphere.
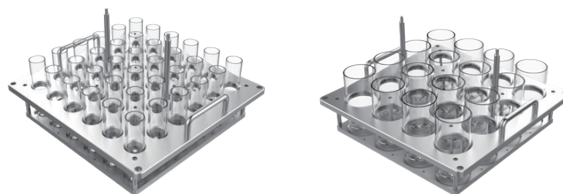
Flexibility & Adaptability

The system can accommodate your specific requirements. It can efficiently concentrate up to your predefined residual volume.With interchangeable racks and a wide range of accessories to meet your needs.
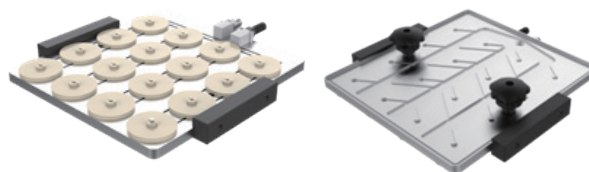
Good compatibility

Compatible with various types of sample tubes, making it applicable to different fields for sample concentration, maximum concentration volume up to 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 plate 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, low temperature 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 sample caused by the azeotropy under too low pressure.

Graphical software interface

Intuitive software interface, friendly to experienced and novice users. One touch to start concentration with predefined methods. It can automatically release pressure and decrease temperature when endpoint is detected. Manual mode via vacuum control is flexible for various setting.
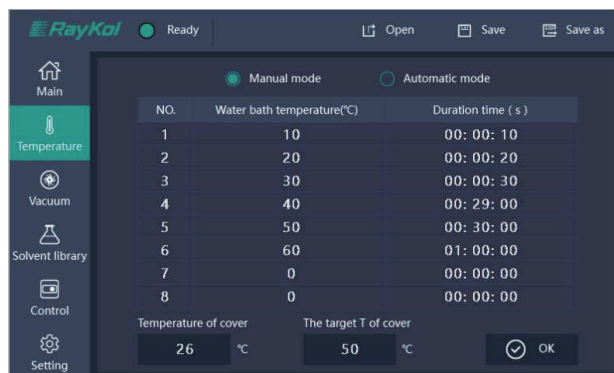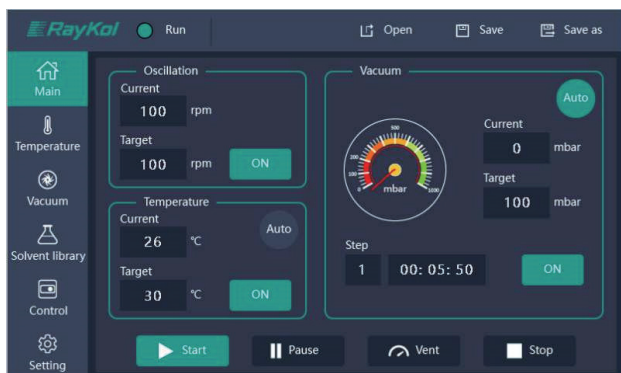
Dedicated to be a leading supplier in smart laboratory

RayKol

RayKol Group

Add: 5-6F, No.176 Xinfeng Road, HuizhiZone, Torch High-tech Zone, Xiamen, China

Tel:+86-0592-5800190

Mail: info@raykolgroup.com

www.raykolgroup.com