MPE Pro

# Automated Vacuum Parallel Evaporator

RayKol
Knowledge Optimized Laboratory

## More Automatic, Much Easier

www.raykolgroup.com

MPE Pro Automated Vacuum Parallel Evaporator, not only remains the features of MPE series, but also integrates with more functional modules for automation. It can perform high-throughput vacuum evaporation with precise vacuum gradient control, to minimize the risk of analyte lose caused by over boiling. MPE Pro can bring better user’ s experience by minimal operating steps, user would only need to place the sample tubes, close the cover plate then click to start the evaporation. It’ s capable of automatic sealing and endpoint determination; with the automatic condensation recovery system MPE ASR, it can reach higher automation in use and operation for lab workflow.

## Simpler Steps

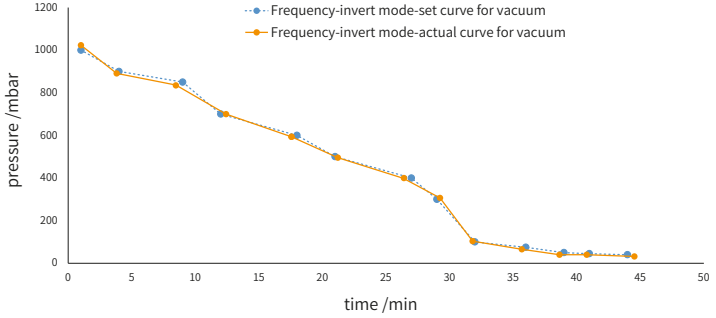
01. Place the sample tubes


02. Close the cover plate

03. Click to Run

## Precise Pressure Performance

- Available in various pressure control modes: manual decreasing, programmed decreasing, frequency-invert decreasing.
- Able to support 20-step gradient pressure control, with frequency-invert pump as optional configuration, to reach smooth gradient changing for vacuum.



## Flexible in Sample Batch

- Separate flow path control, selectable in channel numbers and positions
- Use with flange-side sample tubes for clear sealing
- Optional IR module for 1mL endpoint detection

## MPE ASR Automatic Solvent Recovery System

- With a 3L solvent receiving bottle, and ⩾ 5L condensation module, to accommodate large volume requirement.
- For solution mixed with high and low boiling point solvents, MPE ASR can discharge the low boiling point solvent first to avoid interference for following procedure.

# Application Area

Environment

Food

Soil

Textile

# Application Case

Determination of pesticide residues in herbal medicine
Determination of semi-volatile organic compounds in soil and sediments by GC-MS
Determination of organochlorine pesticides in soil and sediment by GC-MS
Determination of dioxin in ambient air and exhaust gas waste in environment
Determination of dioxin in solid waste
Determination of prohibited azo dyes for textiles
Determination of peroxide value in food
Determination of acid in food
Determination of 500 pesticides and related chemicals in fruits and vegetables by GC-MS

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