TurboVap® II

Building on Solid Foundations

The new TurboVap® II is built on the solid foundations of reliability and performance that made it the market leader for solvent evaporation. The modern design incorporates many new customer driven features for easier use and expanded functionality. TurboVap II still utilizes the highly efficient patented gas vortex shearing technology, which is synonymous with the TurboVap brand.

This modern design features many new enhancements, including a well-lit glass tank for much greater visibility of the sample, improved sensors with automatic end-point detection, real-time nozzle adjustment, user replaceable nozzles, easy access drain port, and a color, menu driven touchscreen for simple operation and monitoring. The system can be vented from the bench or placed in the fume hood. Because the footprint is noticeably smaller on this modern unit, less space is required.

Through the enhanced programming features of the new TurboVap II, flow gradients can be programmed to gradually increase as evaporation occurs, decreasing the amount of time it takes to reach the desired end-point, without splashing.

Like the traditional system, racks are available to accomodate both 50 mL and 200 mL evaporation tubes, with and with out the end point sensors. The new TurboVap II is designed so that it can be easily and quickly converted between the functionality of the traditional LV and II instruments if evaporation needs change, without purchasing a whole new unit.

- Lit glass tank
- Improved sensors
- Smaller footprint
- Drain port for water bath
- Built in colour 7” touchscreen control
- Able to store methods for regular use
- Visual and audible alarm on evaporation completion
- Sleep mode with automatic start-up
- Ambient to 90 °C water bath temperature
- Simple and intuitive software
- Built in ventilation for installation on benchtop
- Full sample visibility for real time monitoring

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Figure 1. Recovery and RSD values on TurboVap® II for different analytes using 200 mL tubes on a 6 tube Multi Rack. Starting Volume: 180 mL; Solvent: dichloromethane; Fixed Gas Flow: 2.8 L/min (10 psi on old TurboVap); Analyte Spike Amount: 20 µg; Final Extract Volume: 1.0 mL.

New TurboVap® II ramped flow
New TurboVap® II fixed flow
Old TurboVap® II

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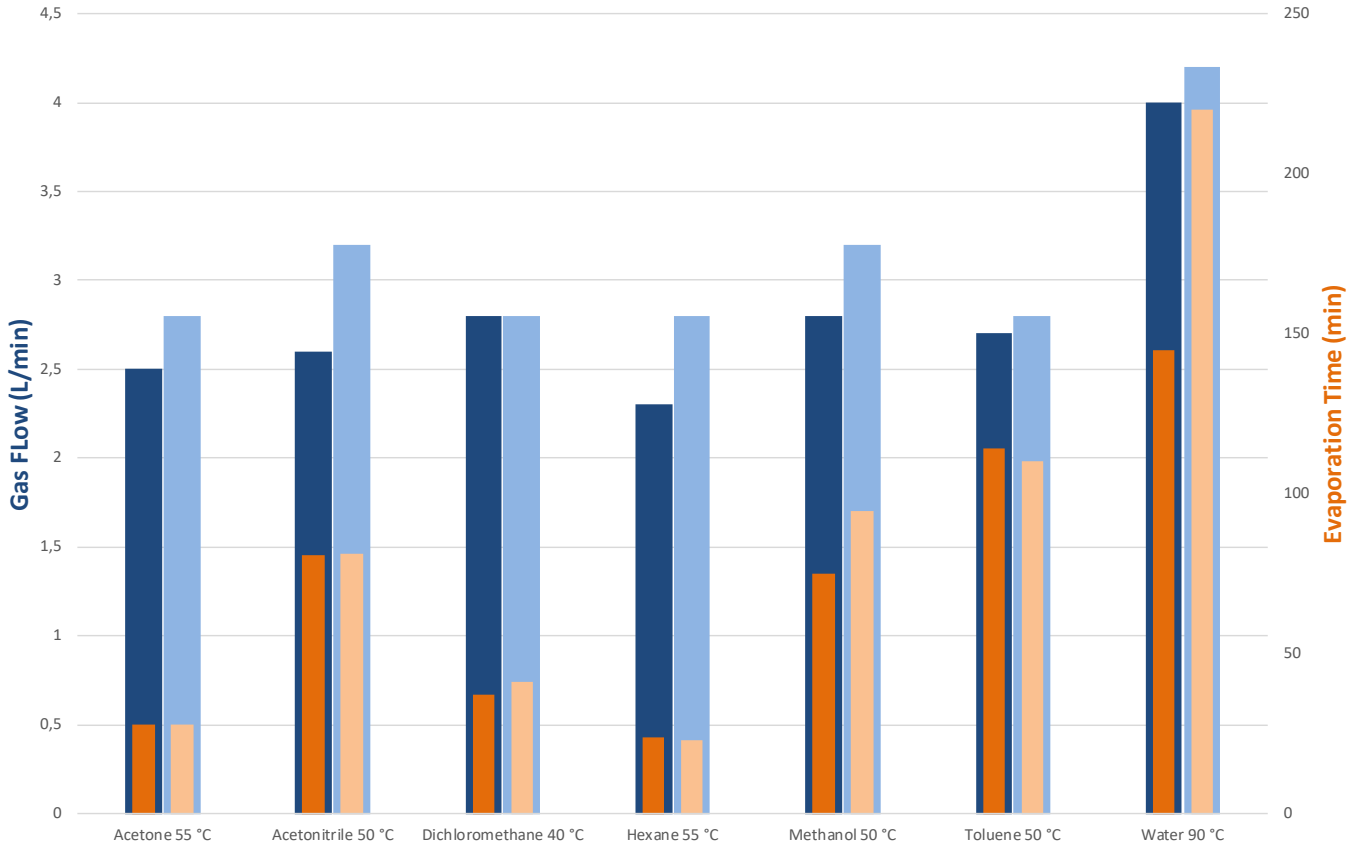

Figure 3. Comparison of evaporation times on the new vs. old TurboVap® II. The new model performs equal or better even with lower gas flows.

Gas Flow (L/min) New TurboVap® II

Evaporation Time (min) New TurboVap® II

Gas Flow (L/min) Old TurboVap® II

Evaporation Time (min) Old TurboVap® II

Ordering Information

Part Number	Description	
System		
415001	TurboVap II (includes 415222 manifold, but no rack). Rack must be ordered separately.	
Gas Manifold		
415222	TurboVap II Manifold (6 Nozzles)	
Multi Racks		
415100	TurboVap II Multi Rack with End-Point Sensors (6 Positions, 200 mL Tubes)	
415535	TurboVap II Multi Rack with End-Point Sensors (6 Positions, 50 mL Tubes)	
415494	TurboVap II Multi Rack without End-Point Sensors (6 Positions, 50/200 mL Tubes)	

Part Number	Description	
Evaporation Tubes		
C128506	Evaporation Tube TurboVap II 200 mL, 1 mL End-Point 12-pack	
C128507	Evaporation Tube TurboVap wII 200 mL, 0.5 mL End-Point 12-pack	
C128508	Evaporation Tube TurboVap II 50 mL, 0.5 mL End-Point 12-pack	
C128511	Evaporation Tube TurboVap II 50 mL, 1 mL End-Point 12-pack	
C128512	Evaporation Tube TurboVap II 50 mL, Centrifuge 12-pack	

Part Number: PPS442

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