



# TurboVap LV | Concentration Workstation

Sample Evaporation in Minutes - Not Hours

The TurboVap LV Concentration Workstation is a high speed, small volume sample concentrator. It is an efficient alternative to the inconvenient setup, constant monitoring and long evaporation times that are characteristic of conventional techniques - with the added convenience of unattended, automatic operation.

## Simple to Use

With the TurboVap LV Workstation, you simply “load and leave” your samples. Turn on 1 to 5 manifolds depending on the number of samples. The automatic timer will alert you when your samples are ready.

## Improve Lab Productivity

The TurboVap LV workstation enables you to use your time more efficiently by allowing you to:

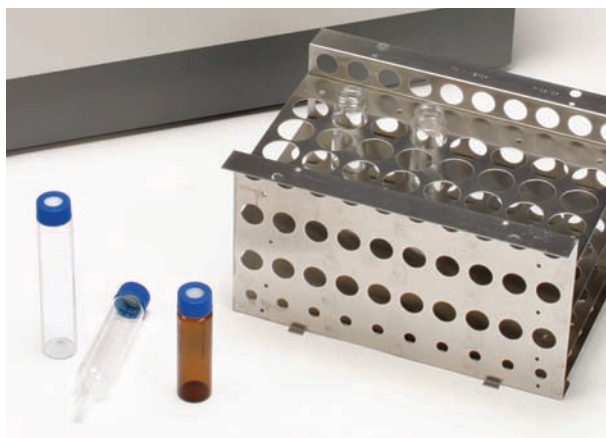
- Increase throughput by processing more samples in less time.
- Eliminate interruptions required to monitor the evaporation or adjust needles.
- Eliminate vacuum pump and cold trap maintenance.
- Be alerted with an audible alarm when evaporation is complete.

## Saves on Space and Costs

The evaporation process is driven by patented gas vortex shearing action, further enhanced by a temperature controlled water bath and adjustable gas flow rates. This combination saves time, bench space and operating costs while improving sample to sample consistency.

## Versatile and Effective

The TurboVap LV Workstation offers many interchangeable tube racks giving you the flexibility to process different sample volumes effectively. Most racks can hold up to 50 samples with volumes of 1.5 mL to 30 mL.



TurboVap LV Workstation racks can be used with more than 15 different test tube configurations including Microcentrifuge, Conical and Round Bottom.

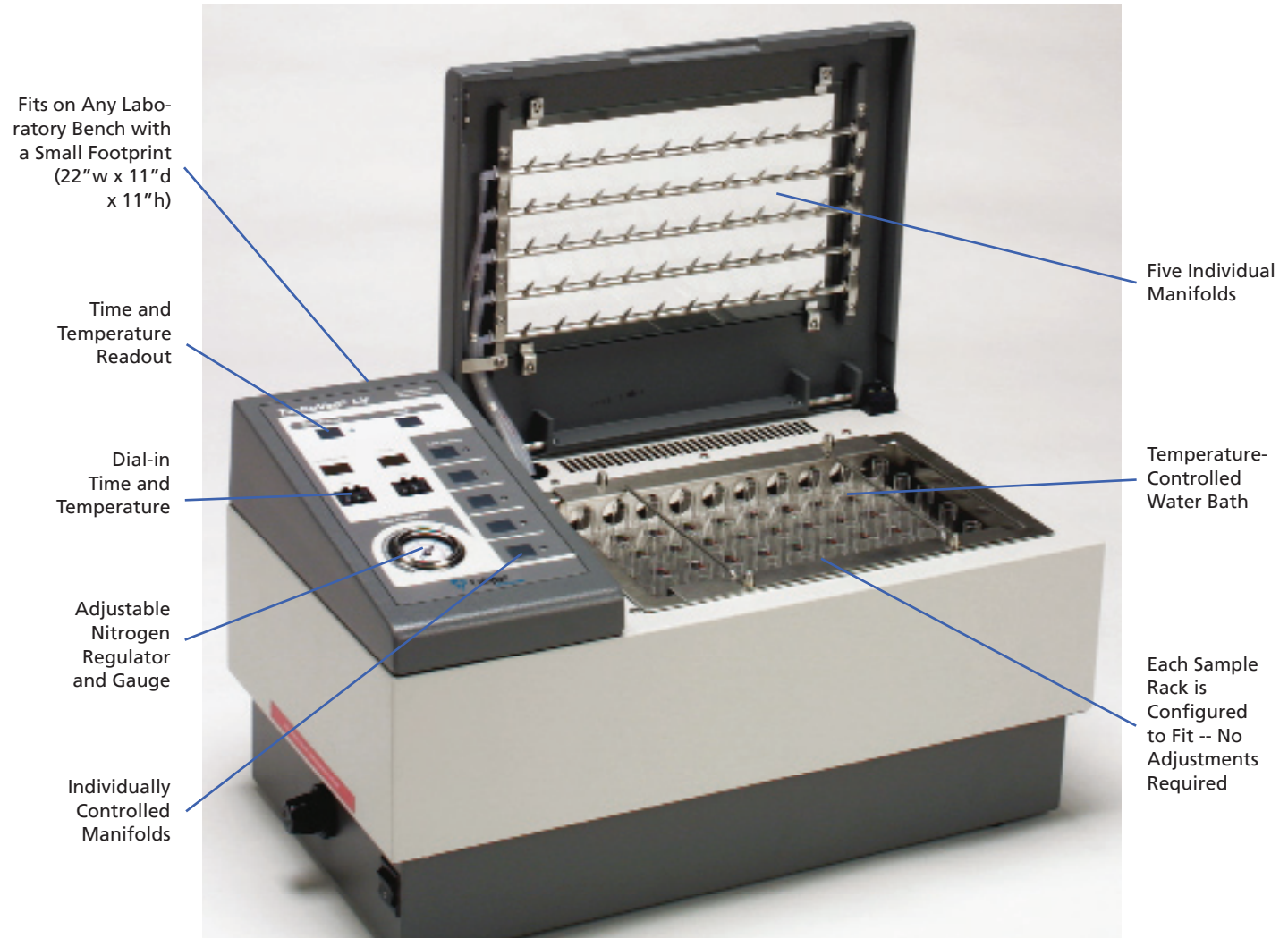


### Evaporation Rates for Organic Solvents

Time, in minutes, to evaporate 2 mL to dryness using 16x100 test tube.

Solvent	40 °C
Methylene Chloride/IPA/NH40H	9 min.
Hexane/Ethyl Acetate (75:25)	5 min.
Hexane/Ethyl Acetate (50:50)	5 min.
Methylene Chloride	5 min.
Basic Methanol (98:2)	8 min.

Data provided by United Chemical Technologies, Bristol, PA.

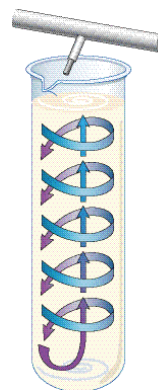


## No Hood Space Required

Unlike most evaporators, the TurboVap LV system doesn't need to sit in a hood, wasting valuable space. Solvent vapors are drawn out through an exhaust fan and vented into a hood using the ducting provided.

## Proven, Innovative Technology

The evaporator directs the gas flow into the sample tubes at a precise angle. The vortex created by the blowing gas travels down the tube to the solvent surface, where it increases the gas/solvent interface - providing faster evaporation than conventional after methods.



# Proven by Lab Professionals

"The TurboVap LV is easier to use and gives us dramatically faster evaporation times than our old method. Since the nozzles are fixed in position, we no longer have to worry about cross contamination of samples."

- Alan Spanbauer, Center for Human Toxicology, Salt Lake City, Utah

"We use the TurboVap LV exclusively in our labs for sample evaporation and concentration. The concentrating action of the nitrogen stream has improved recovery of sample residues even when reconstituting in small volumes. We have also found that the TurboVap LV evaporates highly aqueous samples much quicker than any other equipment we have tried."

- Roger Coe, MDS Harris, Inc., Lincoln, Nebraska

"Vials are taken directly from the ASE to the TurboVap, thus minimizing sample handling, sample transfer and the amount of time necessary for concentration."

- A testing lab performing Use/Misuse Analysis for pesticides in soil using the Dionex ASE Compatible TurboVap LV.



ASE Compatible TurboVap LV

"The TurboVap LV Concentration Workstation is critical to our success in the synthesis of lead optimization libraries to develop new therapeutic agents."

- Dr. Joe Salvino, Scientist, Rhone-Poulenc Rorer Central Research

## Laboratories Using TurboVap LV Systems

- BioResearch
- Consumer Products R&D
- Contract
- Drug Development
- Drug Metabolism
- Environmental Testing
- Forensic
- Food Testing
- Medicinal Chemistry
- Petro Chemical
- Toxicology



**Corporate Headquarters**  
68 Elm Street  
Hopkinton, MA 01748 -1668

Tel: 1-508-435-9500  
Fax: 1-508-435-3439  
Email: [cust.support@caliperLS.com](mailto:cust.support@caliperLS.com)  
[www.caliperLS.com](http://www.caliperLS.com)

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