

Caliper's Family of TurboVap Concentration Workstations



The TurboVap family of evaporators cover a wide range of formats from microplates to tubes and accommodate the fast unattended concentration or evaporation of any size sample up to 500 mL.

The Automated Alternative to Kuderna-Danish, Rotary,



Automated Evaporation

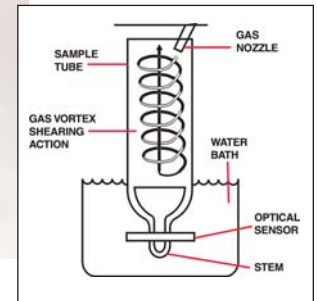
For over ten years, TurboVap Concentration technology has received enormous acclaim. Its fast, unattended operation doubles sample throughput, frees up resources, and improves Quality Control. TurboVaps are in routine use in thousands of environmental, food testing, pharmaceutical, NIDA, forensic and chemical laboratories worldwide.

Industries Using Caliper TurboVaps

- Environmental
- Food Testing
- Ag Chemical
- Petro Chemical
- Consumer
- Product R&D
- Utilities
- Pharmaceutical
- Forensic
- Clinical

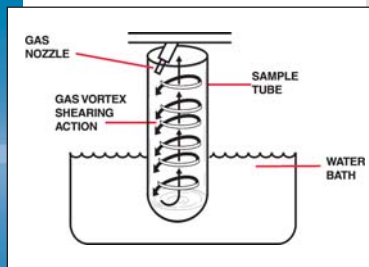
TurboVap II

- Proven equivalency with EPA methods
- Patented vortex shearing technology
- Patented sensor endpoint detection
- Unattended operation for 1-6 samples
- Dionex ASE compatible rack, 40 mL stem tubes
- Only one piece of glassware to concentrate from start to finish
- No hood space required



TurboVap LV

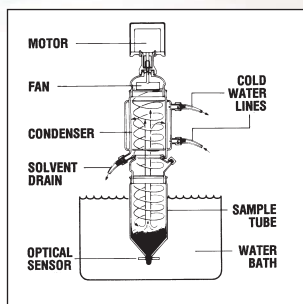
- Proven equivalency with EPA methods
- 10x faster than centrifugal evaporators, 3x faster than hot blocks, 2x faster than conventional N2 blowdown
- Unattended operation for up to 50 samples
- Twelve racks available to accommodate a variety of tube sizes from 1.5 mL to 30 mL
- Dionex ASE-Ichem Compatible Rack, 24 position available
- Patented vortex shearing action
- No hood space required



Vacuum-Style and Nitrogen Blow-Down Evaporators

TurboVap 500

- Proven equivalency with EPA methods
- Patented vortex shearing technology
- Patented sensor endpoint detection
- Solvent vapor recovery system
- No hood space required



TurboVap 96

- Holds two standard microplates or deep-well plates
- Individual plate control for gas flow, temperature and timed endpoint
- Touch Pad Control panel retains the previous settings for faster start-ups
- TFA, DMSO and DMF compatible
- Patented TurboVap gas-vortex action keeps the needles away from the solvent eliminating carry-over concerns
- Improved safety with automatic gas, time and pressure shutoffs
- No hood space required

MODEL	POSITIONS	MAXIMUM VOLUME (ML)	SENSOR ENDPOINT (YES/NO)	TIMED ENDPOINT (YES/NO)	SOLVENT RECOVERY (YES/NO)
TurboVap II*	6	200**	yes (1 mL or 0.5 mL)	yes	no
TurboVap 500***	2	500	yes (1 mL or 0.5 mL)	yes	yes
TurboVap LV*	50	30	no	yes	no
ASE™ TurboVap LV	24	60	no	yes	no
ASE™ TurboVap II	6	40	yes	yes	no
TurboVap 96	2	200-800 mL	no	yes	no

* The TurboVap II & LV require a source of Nitrogen to concentrate.

** The TurboVap II can be configured with either six 200 mL tubes or six 50 mL tubes.

*** The TurboVap 500 does not require Nitrogen, but instead requires a source of chilled water.

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