



Because Samples Matter

Takahe Analytical Instruments
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Speedovap-LV: Low Volume Nitrogen Evaporator & Concentrator

About Us: Takahe Analytical Instruments is a manufacturer & supplier of bio- analytical & quality testing instruments such as Nitrogen Evaporators and Concentration System, Solid Phase Extraction(SPE)-Positive Pressure Manifold besides supplying HPLC spares and Second hand Refurbished & Reconditioned HPLCs.

Nitrogen Evaporators: Nitrogen evaporators are used to prepare samples for analysis. Used in several industries, such as food, biotechnology, analytical chemistry, petroleum and environmental sciences, Nitrogen Evaporators prepare sample by evaporation using combination of heat and nitrogen to concentrate samples for further testing on systems like HPLC, GC or Mass Spectrometry.

Takahe Analytical Instruments, an Indian manufacturer of Nitrogen Evaporators & Concentration systems offer a range of models of the Nitrogen Evaporators based on the application of the industry, the most common in use being the Speedovap-LV.

With over several hundred installations across India, Takahe Analytical Instruments has established itself with CROs, agriculture & environment industry, testing labs and educational institutions. Our products continue to be the instruments of choice during lab expansion and new projects, bearing a positive testament to us.

Specifications & Technical Detail



Model name: Speedovap-LV

Max no. Of samples	50
Sample Volume	1.5 ml – 30 ml (As per user reqmt)
Number of Stations	5
Max no of samples /station	10
Evaporation Medium	Nitrogen
Temperature Setting	Ambient to 80°C
Pressure	Adjustable
Time setting	1 min to 9.5 hrs
Fume extraction	Inbuilt vented out
Program Special Feature:	No protocol alteration during process ON



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Other details:

Controls:	Microprocessor
Temp & Time display:	LED – Dot Matrix – Better Visibility under fume hood
Print Facility – Specific Models:	Can print temperature validation parameters Real time data and data storage facility for later retrieval
Supplied with:	Installation Kit: Drain water pump Exhaust hose Nozzle plugs and Nozzle cleaner Power cord Manual, IQ/OQ/PQ docs with traceability certificates
Rating:	230 volts 600watts (or 110 Volts if required)

Features:

- Aluminum body for rust control
- In-built alarms with customizable setting for over temperature alert
- Sensor for Door Open triggering alert
- Inter-changeable test tube racks for multiple size test tubes testing (additional racks as required)
- Safety Features include Audio and display Alarms; Auto Stop of process on Door Open etc.
- No option to change modify any parameter of time, temperature, row while evaporation is ON

Nitrogen Gas Requirement:

- Flow of 3 lpm per nozzle output at pressure 15 psi OR
- Flow 150 lpm for all 50 open positions at pressure of 15 psi
- System Inlet pressure not less than 100 psi
- Purity 95% to 99% based on user application and method requirement

SPECIAL FEATURE: Disposable tips available on request.

Nitrogen evaporators also available for 96, 100,144 positions

