

Nitrogen Evaporators & Concentrators

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 300 installations across India, Takahe Analytical Instruments have established their product with CROs, agriculture & environment industry, testing labs and educational institutions. While adding instruments to the lab, users after having used the product choose this product again as their choice of evaporators.

Our Range of Nitrogen Evaporators meets requirements of different applications as per users and are as listed below.

Speedovap LV (Low Volume)

Min-eVap 96 (for 96 well-plate)

Speedovap HV (High Volume)

Bio-eVap (for 100 samples of ria vials)

Min-eVap (Mini Nitrogen Evaporator)

Duo-eVap (dual heating blow down)

**For any query, customisation request or a quote for any of the product
please contact us on +91 22 2768 4433**

Speedovap Nitrogen Evaporator & Concentrator

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.

With over 180 installations across India, Takahe Analytical Instruments have established their product in the country. Endorsement for their instruments lie in the repeated purchase as requirement in labs increase.

Specifications & Technical Details:



Model name: Speedovap_LV

Max no. Of samples	50
Sample Volume	1.5 ml – 30 ml
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

Other details:

Control	Microprocessor	CE Certified
Temp & Time display	LED	
Supplied with	Manual, IQ/OQ/PQ docs	
Rating	230 volts	

Speedovap – High Volume Nitrogen Evaporator & Concentrator

Takahe Analytical Instruments is a manufacturer & supplier of Bio analytical & quality testing instruments. Our flagship product has been satisfactorily accepted by end-users. To serve all the industry needs we have also in our offering, a High Volume Nitrogen Evaporator often used for Soil and pesticide testing and other such needs.

Specifications & Technical Details:



Model name: Speedovap HV

Max no. Of samples	15
Sample Volume	50 ml to 200 ml
Number of Stations	3
Max no of samples /station	5
Evaporation medium	Nitrogen
Time setting	1 min to 9.5 hrs
Fume extraction	Inbuilt vented out

*No of Samples and Station depends on the Sample volume requested and can differ from that mentioned above.

Other details:

Control	Microprocessor	CE Certified
Temp & Time display	LED	
Supplied with	Manual, IQ/OQ/PQ docs	
Rating	230 volts	

Takahe Analytical Instruments reserves the right to change the above specifications for betterment of the product

Min e-Vap Nitrogen Evaporator & Concentrator

Takahe Analytical Instruments is a manufacturer & supplier of Bio analytical & quality testing instruments. With its end users satisfactorily accepting the flagship product – Speedovap Low Volume Nitrogen Evaporator, we have introduced Min e-Vap Nitrogen Evaporator based on the requirements of institutions having a limited budget or an application requirement for a small number of samples.

Specifications & Technical Details:



Model name: Min e-Vap

Max no. Of samples	15
Sample Volume	1 ml – 15 ml
Number of Stations	3
Max no of samples /station	5
Evaporation medium	Nitrogen
Time setting	1 min to 9.5 hrs
Fume extraction	Inbuilt vented out

Other details:

Control	Microprocessor	CE certified
Temp & Time display	LED	
Supplied with	Manual, IQ/OQ/PQ docs	
Rating	230 volts	

Takahe Analytical Instruments reserves the right to change the above specifications for betterment of the product

96 Well-Plate Nitrogen Evaporator

Takahe Analytical Instruments is a manufacturer & supplier of Bio analytical & quality testing instruments. Our offerings include Nitrogen Evaporators, Solid Phase Extraction(SPE)-Positive Pressure Manifold, Pre Owned Refurbished & Reconditioned HPLCs and HPLC spares.

After having supplied over a hundred Nitrogen evaporators to the Indian CRO industry, we have now introduced our breakthrough product to meet the urgent requirement in this industry. Our 96- well plate Nitrogen Evaporator meets the demands for the challenging ultra low volume of samples used in these labs.

Specifications & Technical Details:



Model name: Min-eVap Well-plate

Max no. Of samples	96
Max sample volume	Standard Well Plate specs
Number of Stations	1
Number of well-plates	1
Evaporation medium	Nitrogen
Time setting	1 min to 10 hrs
Fume extraction	Inbuilt vented out
Heating	Dry Block – Ambient to 70°C

Other details:

Control	Microprocessor
Temp & Time display	LED
Supplied with	Manual, IQ/OQ/PQ docs
Rating	230Volts

Bio-eVap Nitrogen Evaporator & Concentrator

Our latest addition to the range of Nitrogen Evaporators is the Bio-eVap. This is designed specifically for the labs involved in bio-analytical studies requiring simultaneous and similar process for reproducibility. With 100 samples evaporated in the same method, productivity is increased and error rate reduced. Economical in use of Nitrogen with reproducible results it is already a choice of labs with high throughput of samples.

Specifications & Technical Details:



Model name: Bio-eVap (for 100 and 144)

Max no. Of samples	100
Sample Volume	1.5 ml – 4 ml; 2.0 ml -10 ml
Number of Stations	10 (individually selectable)
Max no of samples /station	10
Test tube size	For 12 mm X 75 mm 16 mm X 100 mm
Evaporation medium	Nitrogen
Temperature setting	Ambient to 80°C
Pressure	Adjustable
Time setting	1 min to 9.5 hrs
Fume extraction	Inbuilt vented out

Other details:

Control	Microprocessor	CE certified
Temp & Time display	LED	
Supplied with	Manual, IQ/OQ/PQ docs	
Rating	230 volts	

Duo-eVap Nitrogen Evaporator & Concentrator

The latest in addition to the range of Nitrogen Evaporators brought to you by Takahe Analytical Instruments is the Duo-eVap.

This has been designed specifically for the diagnostic testing laboratories where the sample evaporation is achieved by dual heating for efficient evaporation without sample destruction.

Specifications & Technical Details:

This product is designed for use with Micro-plates. However, there is flexibility in the design for use with Ria-vials and 12 mm test tubes with the adjustable

Description given herein is for the standard model for 96 well-plate

Technology	Blowdown technology
Capacity	One or 2 Standard 96 well plate (or Deep Well plate)
Max. sample volume	1 ml (as per WP specs)
Well plate Bay	One included as per requirement
Number of Samples	12, 24, 48, 96 based on Well plate holes
Heating	Heated Nitrogen
Operating Temperature	Max 60°C (upper) Max 75°C (Lower)
Gas Supply Requirements	Min. inlet pressure 60 psi, Max. inlet pressure 100 psi
Operating Flow rate	20-100 lpm X 2
Gas control	Single input
Gas Regulator and Gas Gauge Range	0 to 20 psi (0 to 207 kPa)
Exhaust Port	In Fume Hood
Power Requirements	230 VAC at 50 Hz
Dimensions (WxDxH)	9.25" x 17.0" x 23.0" (23.5 x 43.0 x 58.5) or deeper.

Advantages:

- Visibility of needles within sample compartment
- Removable and autoclavable needles
- Adjustable bay for different sample container requirements
- Customisation as per user requirement (after conducting a feasibility study)
- Small foot-print
- Future ready