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## 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 600 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)	Speedovap™ LV 100 (for 100 sample Ria Vials)
Speedovap™ HV (High Volume)	Bio-eVap DP (Dual Pressure for 144 samples)
Min-eVap (15 sample)	Duo-eVap 96 Well Plate (for Single and Two Well plates)

**For any query, customisation request or a quote for any of the product  
please contact us on +91 22 2087 4443**

## 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 (refer product pictures on page 3)

Technology	Blowdown technology
Capacity	One Standard 96 well plate (or Deep Well plate) Or 2 Well plates in case of Dual Well plate Model
Max. sample volume	1 ml (as per Well plate specs)
Well plate Bay	One included as per requirement
Number of Samples	Single Well plate of 96 samples / Two of 96 samples
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   2- 100 lpm X 3
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

### 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

### Dual Well Plate Duo-eVAP:

- This best meets the requirement of a laboratory that has high through put and requires two well plates to be processed simultaneously using the same/identical methods.

Takahe Analytical Instruments reserves the right to change product specifications for optimising product performance



### Dual Position Duo-eVAP Nitrogen Evaporator

Evaporates Single 96 Well Plate -For aqueous or organic solvents (not dry or concentrated acid solutions)

Fits under common hood or micro-ventilation system setups

User-adjustable flow rates and gas temperatures for temperature-sensitive drying

Easily removable upper and lower assemblies for quick and easy cleaning

Additional accessories available for 24 and 48 vial evaporation



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