

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) (both Positive Pressure Manifold and Vacuum Manifold), Multi tube Vortexers, Shakers and Mixers. Takahe also manufactures Nitrogen Generators for the seamless supply of Nitrogen for Evaporators.

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.

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)
Speedovap® Automatic End-point	

Duo-eVap Nitrogen Evaporator & Concentrator

With advances in technology and methods across CROs, we have designed and developed the 96 Well-plate Nitrogen Evaporator to meet these advances in the laboratory.

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 Manifold and well-plate bays

Description below is for the standard model for 96 well-plate (refer product pictures on page 3 & 4)

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 (or 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 80 psi, Max. inlet pressure 100 psi
Operating Flow rate	20-100 lpm X 2
Gas control	Single input
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

Duo-eVAP:

- The Duo-eVap 96 well-plate evaporator can be used for research and in diagnostics or forensic labs that have limited sample processing.



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

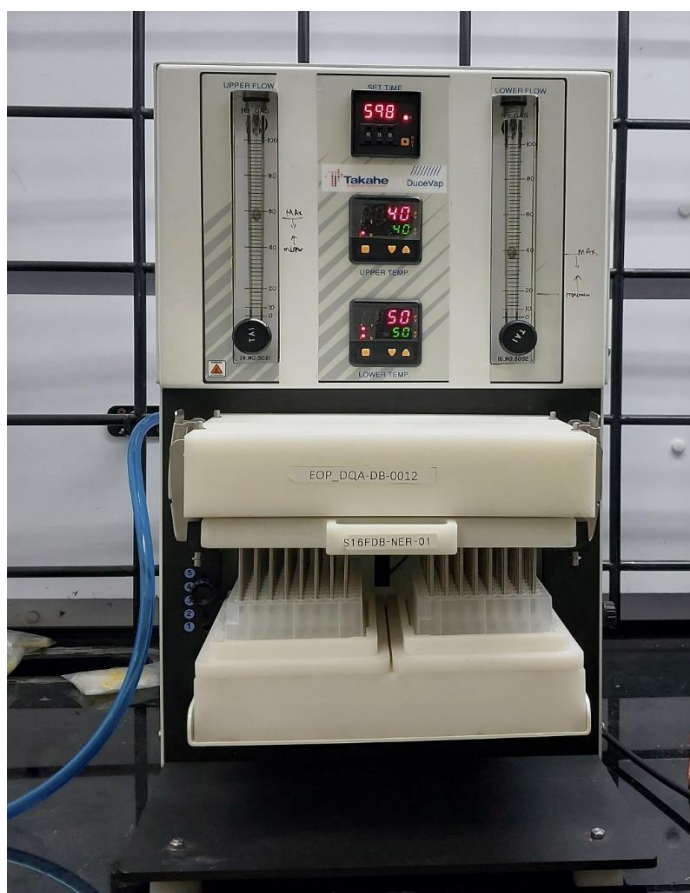
User-adjustable flow rates and
gas temperatures for
temperature-sensitive drying

Easily removable upper and
lower assemblies for quick and
easy cleaning

Additional accessories available
for 24 and 48 vial evaporation

Dual Well Plate Duo-eVap:

- This model best meets the requirement of a laboratory that has high through put and is capable to process two well plates simultaneously using the same/identical methods.



Dual Position Duo-eVAP Nitrogen Evaporator

Evaporates two 96 Well-Plates -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