



Bio-eVap Nitrogen Evaporator & Concentrator

With decades of experience in the instrumentation industry, Takahe Analytical Instruments is a leading and trusted name in the field of analytical instrumentation in India. Backed by technological expertise and a rich service experience, our company is a manufacturer of a range of sample preparation instruments from Nitrogen Evaporators, SPEs, Vortexers, Nitrogen Generators, and other instruments.

Nitrogen Evaporators

Nitrogen evaporators are used to prepare samples for analysis. Used in industries such as Pharma Research, Clinical Research, Food, Biotechnology, Analytical Chemistry, Petroleum and Environmental Sciences.

Nitrogen Evaporators use a combination of heat and nitrogen to concentrate samples, thereby preparing them for further testing on systems like HPLC, GC or Mass Spectrometry.

With several hundred installations across India, Takahe Analytical Instruments has established itself with CROs and other industries making them suppliers of choice during lab expansion and new projects, bearing a positive testament to their products and services.

The flagship product for the CROs 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 or 144 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.

Contact us at: B 104, Punit Industrial Premises, Plot No. 11 & 11A,
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Features

- Aluminum body for rust control
- Double Pressure setting to eliminate contamination risk during evaporation process
- In-built alarms with customizable setting for over temperature alert
- Sensor for Door Open, triggering an alert
- Inter-changeable test tube racks for multiple size test tubes
- Safety Features include Audio and Display alarms, Auto Stop of process on Door Open etc.
Cannot modify any parameter of Time, Temperature and Row while evaporation process is ON.

Specifications:

Model name: Bio-eVap

| | |
|------------------------|-------------------------------------|
| Max no. of samples | Variants of 96, 100 or 144 |
| Sample Volume | 1.5 ml – 4 ml; 2.0 ml -12 ml |
| Max Number of Stations | 10, 12 (individually selectable) |
| Max no of samples/ Stn | 8, 10, 12 |
| To fit Test tube size | For 12 mm X 75 mm 16 mm X 100 mm |
| Evaporation medium | Nitrogen |
| Temperature setting | Ambient to 70°C |
| Pressure | Adjustable – Dual Pressure Settings |
| Time setting | 1 min to 9.5 hrs |
| Fume extraction | Inbuilt, vented out |

* Plus model includes Dual Pressure and Printing facility

Other details:

| | |
|--------------------------|---|
| Controls | Microprocessor |
| Temp & Time Display | LED better visibility in Fume Hood |
| Rating | 230 Volts |
| Installation Kit | Auto Drain Outlet Exhaust hose Nozzle plugs & cleaner Power cord User Manual Installation documents with traceability certificates |
| Compatible with | speX 144 / speX 96 |
| Nitrogen Gas utilisation | Only 220 lpm for 144 open positions at 20 psi |
| Nozzle Tips | Disposable or Fixed |

Certifications



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