



Sheer Genieus



N₂ Genie Nitrogen Generator by Takahe

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, and other instruments. Takahe's latest addition to this range is the N₂ Genie Nitrogen Generator with specifications that meet your requirements.

Free your time, save the hassle

Generate Nitrogen when you need it from natural resource. Our atmosphere contains 78% nitrogen. With compressed air as the source, Nitrogen can be isolated using Pressure Swing Adsorption technology (PSA) up to the purity levels required.

Productive time of analysts and users spent in follow-up for cylinder procurement, change and daily installation of cylinders are eliminated. In operations, cylinders having high cylinder pressure creates a safety issue which is also now addressed with the Nitrogen Generator.

With the Nitrogen Generator, logistics cost for cylinders and vendor dependency are now history.

Intelligent Control

Our in-house developed software process controller generates the output of Nitrogen by optimising the functions to increase compressor life and reduce running costs over long periods of use.

Switching to GENERATORS is a WISE decision

- RECOVER your operating expense by investing in your capital
- CLEAN particulate free nitrogen with certified purity
- Nitrogen supplied ON DEMAND
- NO DEPENDANCY on vendors and maintenance man-power
- ELIMINATE periodic logistics of cylinder procurement

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Product Features

- Silent Nitrogen Generation delivering seamless Nitrogen gas to your lab.
- Compact non-obstructive design with the option of wall-mounting and free up precious space.
- In-built service features to indicate timely routine maintenance.
- Automatically switches to standby mode when no N₂ output is required, thereby reducing wear & tear of the compressor.

Specifications of Variants

	N ₂ Genie-1	N ₂ Genie-2	N ₂ Genie - HP
Nitrogen generation method	PSA	PSA	PSA
Nitrogen Output	100 to 300 LPM*	300 to 600 LPM*	50 lpm to 100 LPM*
Pressure	100psi	100psi	100psi
Purity	> 96%	> 96%	>99.5%
Moisture	< 100 – 300 ppm	< 100 – 300 ppm	< 100 – 300 ppm
Micro Particulates	< 0.01u	< 0.01u	< 0.01u
Control	Microprocessor	Microprocessor	Microprocessor
Display	LCD	LCD	LCD
Electric Requirement	230 V 50 Hz 1 Phase 2 Amp	230 V 50 Hz 1 Phase 2 Amp	230 V 50 Hz 1 Phase 2 Amp
Dimensions	WDH 61 × 31 × 92 cm	WDH 50 × 90 × 150 cm	WDH 61 × 31 × 92 cm
Weight	98kgs.	148kgs.	98kgs

* Compressor requirements differ for each of the models