

NANO N2

High-Purity Nitrogen



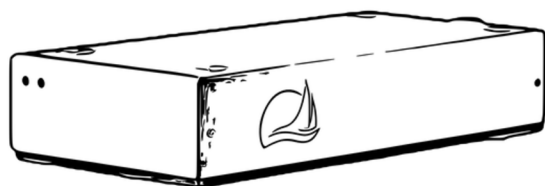
DESCRIPTION:

LEMAN Instruments designed the NANO N2 product line of High-Purity Nitrogen to fit almost any type of application that needs an independent supply of pure Nitrogen close to the consumer in an elegant, compact laboratory casing that can be stacked into our NANO TOWER or used independently. Compressed Air is first filtered from particulates to $5\mu\text{m}$ and dried by a static dryer. Based on the field-proven Pressure Swing Adsorption (Smart PSA) technology, Nitrogen is extracted from a set of filters filled with CMS. After the extracting process, N2 passes through a buffer and is filtered of remaining particulates down to $0.1\mu\text{m}$; finally, the output pressure is regulated manually from 0.5 to 5 bar. Models with outflow up to 500 Nml/min N2 are available. The NANO N2 concept is to be touched one time once the installation is done, and then this is it. There are no consumables or short-term maintenance to do. It is a simple and extremely robust N2 Generator. It can be stacked into the NANO TOWER Combined gas generator solution or used independently. With two LEDs, the user will have information on whether the system works or not.



APPLICATION TYPES:

- Makeup gas for GC, without an organic compound trace
- ICP, ELSD, CORONA, incubators
- Carrier gas for calibrators



FEATURES:

- Reduces in operation costs. Return on investment within 12 months.
- Improves resolution and detection limit. Improves baseline stability.
- Nitrogen is available 24/7 at constant purity. No contamination.
- Independent source of N2. Does not require any piping. Can be easily moved around the laboratory.
- Low noise < 40dB (A)
- Long life
- No handling, No storage, No cylinder rental fee.
- Extremely robust and easily transportable
- No yearly consumables



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MODELS	NANO N2-500
N2 max Outflow @1013 HPA / 20°C	NANO N2-500: 0.500 LPM
Output N2 purity	> 99.9995% N2 - particulates <0.01µm
Dew Point	-50°C
Outlet Pressure	0.5 to 5 bar (72 psig)

Dimensions cm / in	L :43cm / l: 23cm / H: 10cm L: 16.9in / l: 9in / H: 3.9in
Net weight (kg/lbs)	8kg / 17lbs

Compressed AIR	Oil-free, dried compressed air; according to DIN ISO 8573-1 class 3
N2 outlet fitting	Stainless steel 1/8" compression
Power supply	Automatic switching from 90 to 260 VAC, 47 to 63 HZ
Power consumption (max at full flow)	Maximum 150W
Ambient temperature	+5 to +35°C, non condensing

