

NITRO LCMS

Fits almost any LCMS System that needs a high flow of dry and pure Nitrogen



DESCRIPTION:

LEMAN Instruments designed the NITRO-LCMS product line of Nitrogen Generator to fit almost any LCMS System that needs a high flow of dry and pure Nitrogen (> 99%) in a laboratory environment.

Dry and clean compressed air supplied by an external source is first filtered from particulates down to 5µm.

Based on the field-proven Pressure Swing Adsorption (PSA) technology, Nitrogen is then extracted from a set of filters filled with high-efficiency CMS. After the extracting process, N₂ is filtered of remaining particulates down to 0.01 µm, and pressure is regulated electronically to the set value, between 0.5 and 7 bar (7 to 102 psig).

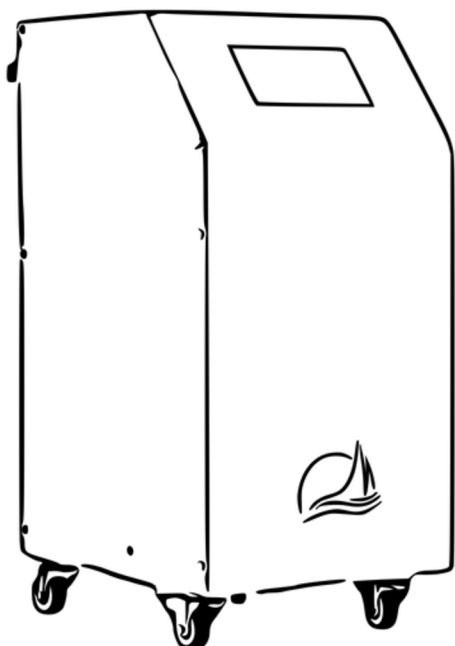
Models with outflow of 20, 35, and 60 NL/min N₂ are available.

Each instrument is equipped with modern, high-performance communication interfaces, including Ethernet, as standard to create a very flexible gas network with local or central control.



APPLICATION TYPES:

- Makeup gas for GC, without organic compound trace
- LCMS Applications
- Carrier gas for calibrators
- Any exigent N₂ application



FEATURES:

- Reduces in operation costs. Return on investment within 18 months.
- N₂ is available 24/7 at constant purity. No contamination.
- Independent source of dry N₂. Needs only a dry, oil-free compressed air supply and electricity. It can be easily moved around the laboratory.
- Low functioning noise
- Local remote-control control via Ethernet
- Very safe operation, internal leak test, automatic shut-down.
- No handling, No storage, No cylinder rental fee.
- Internal maintenance free.



NITRO LCMS

Fits almost any LCMS System that needs a high flow of dry and pure Nitrogen



Leman Instruments

MODELS	NITRO LCMS-20 NITRO LCMS-35 NITRO LCMS-60
LPM Outflow @1013 HPA / 20°C	NITRO LCMS-20: 20 LPM NITRO LCMS-35: 35 LPM NITRO LCMS-60: 60 LPM
N2 purity	99% N2
Dew Point	-30°C
Outlet Pressure	From 0.5 to 7 bar (7 to 102 psig)

Dimensions cm / in	NITRO LCMS-20: L: 40.5cm / I: 32.5cm / H: 69cm NITRO LCMS-35: L: 40.5cm / I: 32.5cm / H: 69cm NITRO LCMS-60: L: 70cm / I: 48cm / H: 69cm
Net weight (kg/lbs)	40-60kg / 88-132lbs

Compressed AIR	Oil-free, dried compressed air; according to DIN ISO 8573-1 Class 3
Manual control	Through a 7" TFT-LCD color touchscreen located on the front panel. Display of major parameters, functioning status, and alarms. Intuitive navigation to functions by menus and sub-menus
Remote control, Communications	Through Ethernet 10/100 network
Input & Output fittings	G3/8" outlet Stainless steel 1/4" compression
Power supply	Automatic switching from 90 to 260 VAC, 47 to 63 Hz
Power consumption (max at full flow)	Maximum 750W
Ambient temperature	+10 to +35°C

