



Leman Instruments

NITROSTATION 15LC –NITROGEN GENERATOR WITH ON BOARD COMPRESSOR



N₂

APPLICATIONS

- ✓ Nebulizing, sheath and drying gas for LC / MS
- ✓ Turbo Vaporizer
- ✓ Life science researches
- ✓ Cell cultures
- ✓ Protection gas

DESCRIPTION

LEMAN-Instruments designed the **NITROSTATION 15LC** product line of **Nitrogen Generator**, to fit almost any type of application which needs a **high flow of dry NITROGEN (> 95%)** in laboratory environment.

Compressed Air, supplied by on board compressor is first filtered from particulates down to 5µm and dried by a static dryer. Based on the field proven Pressure Swing Adsorption (PSA) technology, Nitrogen is then extracted from a set of filters filled up with high efficiency CMS. After the extracting process, N₂ is filtered of remaining particulates down to 0.1 µm and pressure is regulated electronically to the set value, between 0.5 and 7 bar.(7 to 100 psig).

Models with outflows of **1, 2 & 3 NL/min N₂** are available in laboratory floor casing and **10, 20 and 30 NL/min N₂** in mini rack laboratory floor casing.

Each instrument is equipped with high performance communication interfaces (RS485, Ethernet) to create a very flexible gas network with local or central control.

Due to the software being focused on safety, automatic regulation and reliable communications, the **LEMAN Instruments NITROSTATION 15LC** are easy to install, reliable, safe and pleasant to operate.

BENEFITS

- ✓ Reduces in operation costs. Return on investment within 15 months.
- ✓ Improves resolution and detection limit. Improves baseline stability.
- ✓ Nitrogen available 24/7 at constant purity. No contamination.
- ✓ Independent source of N₂. Does not require any piping. Can be easily moved around the laboratory.
- ✓ Remote control from PC, I-phone and I-pad.
- ✓ Low noise compressor
- ✓ Long life compressor with power economy function.
- ✓ No handling, No storage, No cylinder rental fee.

NITROSTATION 15LC

SPECIFICATIONS

Models	NITRO STATION 15LC-1, NITRO STATION 15LC -2, NITRO STATION 15LC -3, NITRO STATION 15LC-10, NITRO STATION 15LC-20, NITRO STATION 15LC-30
N2 Outflow @ 1013/20°C	NITROSTATION15LC-1 = 1 NI/min ; NITROSTATION15LC-2 = 2 NI/min NITROSTATION15LC-3 = 3 NI/min NITROSTATION15LC-10= 10 NI/min NITROSTATION15LC-20= 20 NI/min NITROSTATION15LC-30= 30 NI/min
Output N2 purity	<ul style="list-style-type: none">▪ Minimum 95%N2▪ < -40°C DP▪ particulates <0.1µm
Output N2 Pressure	From 0.5 to 7 bar, adjustable by software. (7 to 100 psig)
Compressed AIR	Supplied by internal silent oil free compressor
Manual control	Through a 4.3" TFT-LCD color display with touchpad, located on the front panel. Display of major parameters, pressure, functioning status and alarms. Intuitive navigation to functions by menus and sub menus.
Remote control, Communications	<ul style="list-style-type: none">■ USB. RS485 (Mod-Bus) or Display■ Trough Ethernet 10/100 network
Sound pressure	< 55 dB(A), measured at 1m
Ambient Temperature	+5 to +35°C
Environnement	ONLY for indoor laboratory use
Output fitting	Stainless steel 1/8" compression for low flow units, 1/4" for higher flows.
Power supply	90VAC to 120 VAC, 60 Hz or 220 to 250 VAC 50-60 Hz
Power consumption	NITROSTATION15LC-x: maximum 750W
Dimensions	W=22cm, H=54cm, D=52cm with castors(bench) / App & depend on the model W=55cm, H=70cm, D=80cm (floor)
Weight (net)	NITROSTATION15LC-x: 32Kg to 150Kg
Certification	CE

ORDERING NUMBERS

Model	Article #
NITROSTATION15LC-1	735201
NITROSTATION15LC-2	735202
NITROSTATION15LC-3	735203

Model	Article #
NITROSTATION15LC-10	735204
NITROSTATION15LC-20	735205
NITROSTATION15LC-30	735206

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