

Brezza by CLAI ND

NiGen LCMS



*“Style and innovation
have given birth to the
UHP N2 for reliable
spectrums”*

Nitrogen Generator



MODELS

NiGen LCMS 40.1

NiGen LCMS 100

- ✓ Designed to satisfy the needs of **all LCMS analyzers** on the market
- ✓ The **PSA technology** with molecular sieves, used in the NiGen series, are drastically reducing the O₂ and H₂O residual but also the HC presence in the air, offering an extremely pure nitrogen output (phthalate-free)
- ✓ **Built-in compressor** oil free including 2 x 50 l. tanks for Compressed Air and Nitrogen
- ✓ Highly reliable Air compressor with **maintenance** required only after 16,000 hours of work
- ✓ **2 gas outlets** available: UHP Nitrogen and Oil Free Air

FEATURES

- Able to supply up to 4 LC-MS analysers
- 40-1 version with special built-in full oil-free compressor
- Extremely quiet thanks to special sound-proofing and antivibration measures
- The 50 lt each of air and nitrogen internal storage tanks mean less frequent air compressor starts, hereby reducing noise levels and maintenance
- **CPU with Touch Screen Display allows the monitoring of operational status and menus with report alarms and functioning** parameters. The CPU has also an Ethernet output for the connection to PCs and to Internet through a router

APPLICATIONS

LCMS
Sample preparation



TECHNICAL SPECIFICATIONS

FLOW RATE	NiGen LCMS 40-1 : 38 NI/min \pm 10% a 2000 m slm NiGen LCMS 100 : 100 NI/min \pm 10% a 2000 m slm
TECHNOLOGIES EMPLOY	PSA CLAIND
OUTPUT PRESSURE	0 - 7 bar/0 - 100 psi \pm 3%
PURITY	up to 99.9%
COMPRESSOR	Only in the version 40-1
AIR INPUT CHARACTERISTICS	Particulate \leq 0,01 μ m Oil vapors \leq 0,01 mg/m ³ Moisture \leq 3° C dew point min pressure: 8.5 bar/120 psi max pressure: 10 bar/145 psi min flow NiGen LCMS 100: 250 NI/min
ELECTRICAL SUPPLY x LCMS 100	115/230 Vac \pm 10% 60/50 Hz 50 W
ELECTRICAL SUPPLY x LCMS 40-1	115 Vac \pm 10% 60 Hz 1,9 kW 230 Vac \pm 10% 50 Hz 1,6 kW
INDEX OF PROTECTION	IP20
NOISE	< 50 dBA during the stand by of the compressor < 65 dBA with compressor running
OPERATING TEMPERATURE	5°C fino 35°C (41°F fino 95°F)
ENVIRONMENTAL HUMIDITY	max 90% without condensation
MAX ALTITUDE	0÷2000 m slm
DIMENSIONS	Height: 132 cm/52" Width: 44 cm/17.3" Depth: 110 cm/43.3"
WEIGHT	version 40-1 220 kg/489 lbs version 100 200 kg/444 lbs
PNEUMATIC CONNECTIONS	Ingresso aria compressa: G 1/4" female Uscita azoto: G 1/4" female
WARRANTY	2 years

TECHNOLOGY

PSA technology (Pressure Swing Adsorption) - Fast Purity CLAIND patent

CERTIFICATIONS



PSA with CMS and international patent **FAST PURITY®**

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