

NiGen LCMS

**Nitrogen Generators
for LCMS and
Sample Preparation**



**NiGen LCMS 40.0
NiGen LCMS 40.1
NiGen LCMS 100**

NiGen LCMS 40.0/40.1/100

FEATURES

- able to supply up to 4 LC-MS analysers
- the Carbon Molecular Sieves (CMS) utilised in PSA technology allow almost total adsorption of hydrocarbons: high efficiency hydrocarbon removal columns included
- HF-1 version with special built-in full oil-free compressor
- the 50 lt each of air and nitrogen internal storage tanks mean less frequent air compressor starts, hereby reducing noise levels and maintenance requirements
- extremely quiet thanks to special sound-proofing and antivibration measures
- maintenance of the compressor required after 14.000 functioning hours
- facility for connection to the factory compressed air line in the -0 version (without compressor)
- very high purity also guaranteed by an innovative control software, interfaced with the CPU or every PC for remote control, up to 32 units
- **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
- software available for remote monitoring via internet
- equipped with full turn wheels for easy moving
- air and nitrogen outputs in LCMS version for Applied Biosystems
- nitrogen and UHP nitrogen outputs in LCMS version for Agilent Jet Stream/collision cell



NiGen LCMS 40.0/40.1/100

CUSTOMIZED SOLUTIONS FOR



**N2 to CURTAIN & CAD
Dry Air to EXHAUST
NEBULIZATION & AUXILIARY**

APPLIED BIOSYSTEMS
all models



**N2 to CURTAIN & CAD
Dry Air to EXHAUST
NEBULIZATION & AUXILIARY**

APPLIED BIOSYSTEMS
Q & 2/3000



**N2 to interface
UHP N2 to Collision Cell**

AGILENT models



N2 to interface

**THERMO, WATERS, SHIMADZU,
VARIAN, BRUKER models**

NiGen LCMS 40-0/40-1/100

TECHNICAL FEATURES

FLOW RATE	40/100 NI/min
TECHNOLOGIES EMPLOYED	PSA CLAIND
OUTPUT PRESSURE	0 - 7 bar/0 - 100 psi
PURITY	98% to 99.9%
COMPRESSOR	only in the 40-1 version
AIR INPUT CHARACTERISTICS x 40-0 e 100	particulate $\leq 0,01 \mu\text{m}$ oil vapors $\leq 0,01 \text{ mg/m}^3$ moisture $\leq 3^\circ \text{C}$ dew point in pressure min pressure 8.5 bar/120 psi max pressure 10 bar/145 psi min flow rate x 40-0: 100 NI/min min flow rate x 100: 250 NI/min
ELECTRICAL SUPPLY LCMS 40-0/100	115/230 Vac $\pm 10\%$ 60/50 Hz 100 W
ELECTRICAL SUPPLY LCMS 40-1	115 Vac $\pm 10\%$ 60 Hz 1,5 kW 230 Vac $\pm 10\%$ 50 Hz 1,2 kW
INDEX OF PROTECTION	IP20
OPERATING TEMPERATURE	5°C - 40°C/40°F - 104°F
ENVIRONMENTAL MOISTURE	$\leq 80\%$
MAX ALTITUDE	2000 m asl
DIMENSIONS	
height	130 cm/51.1"
width	44 cm/17.3"
depth	110 cm/43.3"
WEIGHT	
40.0 version	130 kg/ 286 lbs
40-1 version	150 kg/330 lbs
100 version	150 kg/330 lbs

ACCESSORIES

- AB pressure regulator kit
- UHP available nitrogen purifier for Agilent collision cell on Jet Stream LC-MS
- Inlet air coalescing filter
- 3 point pressure regulator kit
- Installation kit
- Automatic 2 sources switch kit



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