

NiGen LCMS 40.0 / 40.1 / 100.0

Laboratory Nitrogen Gas Generator



PROTON

THE LEADER IN **ON SITE** GAS GENERATION.

TECHNICAL FEATURES	NiGen LCMS 40.0	NiGen LCMS 40.1	NiGen LCMS 100.0
FLOW RATE	40 SLPM	40 SLPM	100 SLPM
PURITY	98% to 99.9%		
TECHNOLOGIES EMPLOYED	PSA		
OUTPUT PRESSURE	0 to 7 barg / 0 to 100 psig		
OXYGEN AT MAX FLOW	< 2%		
MOISTURE AT MAX FLOW	- 44°C dew-point STP, < 80 ppm		
AIR INPUT CHARACTERISTICS	Particulate $\leq 0.1 \text{ mg/m}^3$ ($\leq 0.01 \text{ }\mu\text{m}$) Oil vapors $\leq 0.01 \text{ mg / m}^3$ Moisture $\leq 3^\circ\text{C}$ dew point in pressure Min pressure 8.5 barg / 120 psig Max pressure 10 barg / 145 psig		
AIR COMPRESSOR	No	Yes	No
ELECTRICAL SUPPLY	115 VAC $\pm 10\%$, 60 Hz 230 VAC $\pm 10\%$, 50 Hz		
INDEX OF PROTECTION	IP20		
OPERATING TEMPERATURE	40°F to 100°F / 5°C to 40°C		
ENVIRONMENTAL MOISTURE	$\leq 80\%$, no condensation		
MAX ALTITUDE	2000 m or 6560 ft above sea level		
DIMENSIONS	51.1"(H) x 17.3" (W) x 43.3" (D) 130 cm (H) x 44 cm (W) x 110 cm (D)		
WEIGHT	420 lbs / 190 kg	485 lbs / 220 kg	440 lbs / 200 kg
APPLICATIONS	LC-MS E, sample preparation		
ADDITIONAL FEATURES	High efficiency hydrocarbon removal columns included Maintenance diary Report alarms Equipped with wheels		
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 Air + N ² configuration for AB LC-MS Air + N ² configuration for Agilent Jet Stream LC-MS		



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