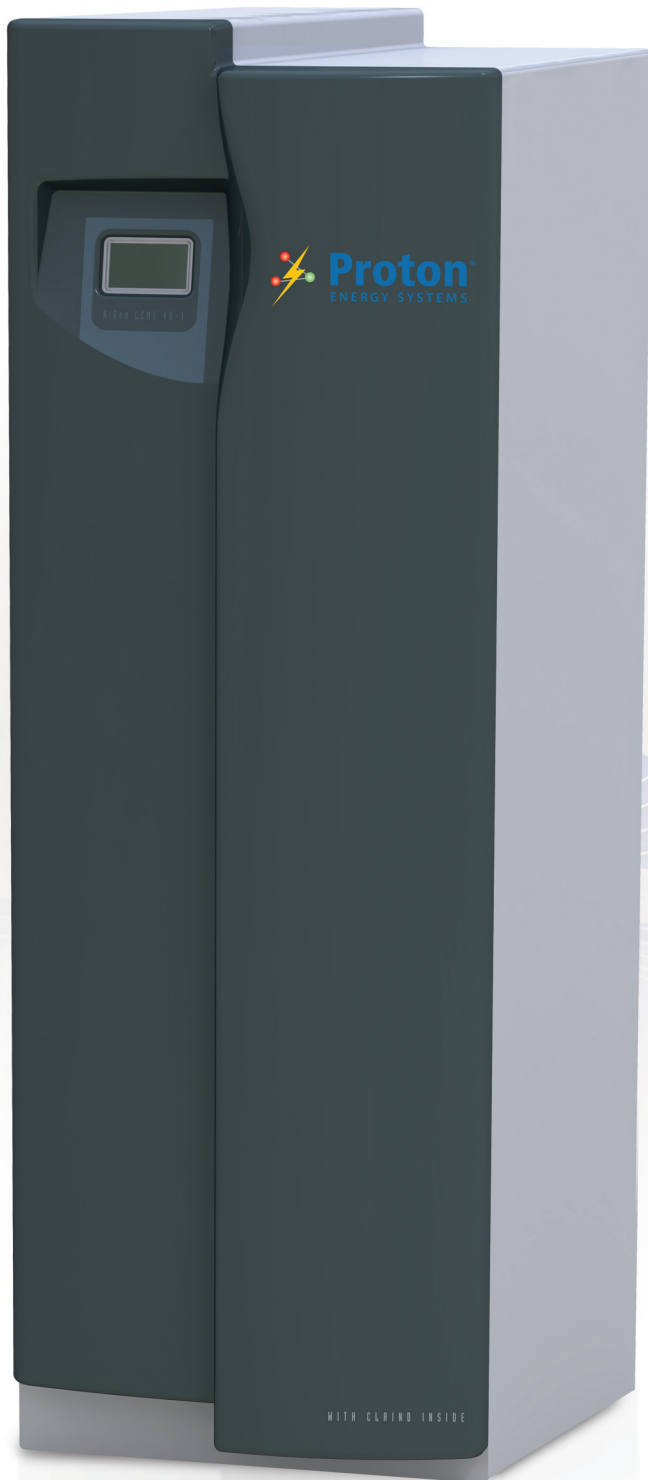


NiGen LCMS 40.0 / 40.1 / 100.0

Laboratory Nitrogen Gas Generator



Proton
ENERGY SYSTEMS

The Leader in On-site Hydrogen 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 / 15 to 100 psig		
OXYGEN AT MAX FLOW	< 2%		
MOISTURE AT MAX FLOW	- 44°C dew-point STP, < 80 ppm		
AIR INPUT CHARACTERISTICS	Particulate ≤ 0.01 microns Oil vapors ≤ 0.01 mg / m ³ Moisture ≤ 3°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 ± 10%, 60 Hz 230 VAC ± 10%, 50 Hz		
INDEX OF PROTECTION	IP20		
OPERATING TEMPERATURE	40°F to 100°F / 5°C to 40°C		
ENVIRONMENTAL MOISTURE	≤ 80%		
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	198 lbs / 90 kg	220 lbs / 100 kg	330 lbs / 150 kg
APPLICATIONS	LC-MS E, sample preparation		
ADDITIONAL FEATURES			
	Air + N ² configuration for AB LC-MS		
	High efficiency hydrocarbon removal columns included		
	Air + N ² configuration for Agilent Jet Stream LC-MS		
	CPU for control of up to 32 units		
	CAN-BUS communication		
	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		