

# NiGen GC - NiGen GC HC

## Laboratory Nitrogen Gas Generator



The Leader in On-site Hydrogen Generation



TECHNICAL FEATURES	NiGen GC	NiGen GC HC
FLOW RATE	500 cc / min	
TECHNOLOGIES EMPLOYED	PSA	
OUTPUT PRESSURE	0 to 6 barg / 0 to 87 psig	
PURITY	99.999%	
OXYGEN AT MAX FLOW	< 10 ppm	
MOISTURE AT MAX FLOW	- 44°C dew-point STP, < 80 ppm	
AIR INPUT CHARACTERISTICS	Particulate ≤ 0.01 microns Oil vapors ≤ 0.01 mg / m <sup>3</sup> Moisture ≤ 3°C dew point in pressure + Min pressure 8 barg	
GC HC (CATALYTIC VERSION)	Total Hydrocarbon Residual < 0.1 ppm	
AIR COMPRESSOR	No	
ELECTRICAL SUPPLY	115 VAC ± 10%, 50 - 60 Hz 230 VAC ± 10%, 50 - 60 Hz	
INDEX OF PROTECTION	IP20	
OPERATING TEMPERATURE	40°F to 104°F / 5°C to 40°C	
ENVIRONMENTAL MOISTURE	≤ 80%	
MAX ALTITUDE	2000 m or 6560 ft above sea level	
DIMENSIONS	15.8" + 2.8" (H) CPU x 14.9" (W) x 20.8" (D) 40 cm + 7 cm (H) CPU x 38 cm (W) x 53 cm (D)	
WEIGHT	62 lbs / 28 kg	70.5 lbs / 32 kg
APPLICATIONS	GC (Carrier Gas, Make-up, ECD), Circular dichroism and Thermo Analysis	
<b>ADDITIONAL FEATURES</b>		
	Stackable	
	CPU for control of up to 32 units	
	CAN-BUS communication	
	Maintenance diary	
	Report alarms	
<b>ACCESSORIES</b>		
	UHP filtration kit	
	Installation kit	
	Automatic 2 sources switch kit	