

# NiGen GC - NiGen GC HC

## Laboratory Nitrogen Gas Generator





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	Up to 99.999%	
OXYGEN AT MAX FLOW	<10 ppm	
MOISTURE AT MAX FLOW	-44°C dew-point STP, < 80 ppm	
AIR INPUT CHARACTERISTICS (AIR COMPRESSOR REQUIRED)	Particulate $\leq 0.1 \text{ mg/m}^3$ ( $\leq 0.1 \text{ }\mu\text{m}$ ) Oil vapors $\leq 0.01 \text{ mg / m}^3$ Moisture $\leq 3^\circ\text{C}$ dew point in pressure Min pressure 8 barg / 115 psig, Max pressure 10 barg / 145 psig	
GC HC (CATALYTIC VERSION)		Total Hydrocarbon Residual < 0.1 ppm
ELECTRICAL SUPPLY	115/230 VAC $\pm 10\%$ , 50/60 Hz	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	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	82 lbs / 37 kg	90 lbs / 41 kg
APPLICATIONS	GC (Carrier Gas, Make-up, ECD), Circular dichroism and Thermo Analysis	
ADDITIONAL FEATURES	Stackable CPU for control up to 32 units CAN-BUS communication Maintenance diary Report alarms	
ACCESSORIES	UHP filtration kit Installation kit Automatic 2 sources switch kit	



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