

NIGEN MICRO



“Economical high performance”

NITROGEN GENERATOR



MODEL

NiGen MICRO

- ✓ High purity nitrogen guaranteed by the **PSA technology**
- ✓ **CLAIND "Fast Purity" patent** which allows high purity nitrogen delivery in a very short time
- ✓ **Parallel connection** up to 4 stacked generators with tower configuration
- ✓ **CPU** with Touch Screen Display



FEATURES

- **Modular configuration**
- **PSA CLAIND technology**
- Facility for integration with a Brezza series dedicated air compressor (AirComp)
- 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 connectable with CAN-BUS** to the generators (up to 32 units), which allows the monitoring of operational status
- The CPU has also an Ethernet output for the connection to PCs



APPLICATIONS

Thermal Analysis, ELSD and LCMS



TECHNICAL SPECIFICATIONS

FLOW RATE	4 NI/min \pm 10% a 2000 m slm
TECHNOLOGIES EMPLOY	PSA CLAIND
OUTPUT PRESSURE	0 - 6 bar / 0 - 87 psi
PURITY	up to 99,5 %
MOISTURE	< -50 °C dew-point ATP \pm 2°C ATP
AIR INPUT CHARACTERISTICS	Particulate \leq 0,01 μ m Oil vapors \leq 0,01 mg/m ³ Moisture \leq 3° C dew point ATP min pressure: 8 bar min flow rate: 18 NI/min
ELECTRICAL SUPPLY	115/230 VAC (+/- 10%) 50-60 Hz 50 W
INDEX OF PROTECTION	IP20
NOISE	< 50 dBA for the 98% of operation time < 60 dBA for 2 sec. each cycle
OPERATING TEMPERATURE	5°C - 35°C (41°F - 95°F)
ENVIRONMENTAL HUMIDITY	max 90% without condensation
ALTITUDE max	2000 m slm
DIMENSIONS	Height: 40 cm + 7 cm/15.8" + 2.8" Width: 38 cm/14.9" Depth: 53 cm/20.8"
WEIGHT	28 kg/62 lbs
PNEUMATIC CONNECTIONS	Ingresso aria compressa: G 1/8" female Uscita azoto: G 1/8" female
WARRANTY	2 years

TECHNOLOGY

PSA technology (Pressure Swing Adsorption)
Fast Purity CLAIND patent

CERTIFICATIONS



PSA with CMS and international patent **FAST PURITY®**





CLAIND

GAS GENERATORS AND PURIFIERS

Via Regina 24
22016 Tremezzina
Loc. Lenno (CO)
Italy

Ph. +39 0344 56603
Fax +39 0344 56627
Email: info@claind.it
Website: www.claind.it