

CLAI ND

N₂ MAXI



*"The solution for
gases autonomy"*

Nitrogen generator



MODELS

N2 Maxi 1

N2 Maxi 2

N2 Maxi 3



TECHNICAL ADVANTAGES

- **Excellent efficiency:** the air consumption is minimised thanks to the FAST PURITY® system. The enhanced efficiency allows to reach a high level of nitrogen purity
- **Oxygen analyser and Pressure regulator:** are included as standard in all the nitrogen generators.
- **No buffer:** the N2 FLO, PICO & MAXI generators only need one vessel, used both as a buffer and as a consumption nitrogen reservoir
- **Easy and fast installation:** thanks to the electronic control with pre-set programs

FEATURES

- **Safety:** the generator can work unattended and independently 24 hours a day, 365 days a year without requiring surveillance or programming
- **Automatic stand-by:** if the production flow exceeds the consumption, the generator enters a stand-by mode to reduce energy consumption
- **Oxygen analyser:** included in every N2 FLO, PICO & MAXI generator, to keep the nitrogen purity under control in real time
- **Custom nitrogen purity:** the nitrogen purity can be set according to customer and application requirements

APPLICATIONS

The most common fields of application for these nitrogen generators include:

- Food packaging and bottling of wine, food oils, juices and water
- Chemical and thermal processes
- Laser cutting and welding
- Lead free welding for electronics



TECHNICAL SPECIFICATIONS

MODELS	Outgoing nitrogen flow* [Nm³/h]						
Purity	99,999%	99,99%	99,9%	99,5%	99%	98%	97%
N2 MAXI 1	6,2	9	18,7	31,1	39,1	49,7	55,9
N2 MAXI 2	12,4	18	37,4	62,1	78,7	98,9	111,3
N2 MAXI 3	18,6	27	56,1	93,2	117,9	149	166,8
Air / N2	10,0	7,0	4,3	3,3	3,1	2,90	2,70

* The flow capacity refers to inlet air nominal conditions: pressure of 8,5 bar , CMS temperature of 20 °C.

TECHNOLOGIES EMPLOY	PSA CLAIND
INLET AIR SPECIFICATIONS	<ul style="list-style-type: none"> • Air pressure : min 6,5 / max 13 bar • Quality: dry, clean, exhalation free. The inlet air must meet the specifications ISO 8573-1, class quality 1.4.1
NITROGEN OUTLET PRESSURE	Given the pressure P of the inlet air, the pressure of the nitrogen generated is $1 \div 2.5$ bar lower than P, depending on the flow rate of nitrogen supplied
MOISTURE CONTENT AT OUTLET	-50°C Dew Point ATP
ELETTRICAL SUPPLY	230 Vac \pm 10% 50 Hz 115 Vac \pm 10% 60 Hz
POWER RATING	50 W
INDEX OF PROTECTION	IP 20
AVERAGE NOISE	≤ 60 dB (measured at 1 meter from the generator)
OPERATING TEMPERATURE	$5 \div 40^{\circ}\text{C}$
PNEUMATIC CONNECTIONS	G 1" F Aria Ingresso ed Azoto to Tank + 4 mm AR da Tank
DIMENSIONS	Height: 207,5 cm Width: MAXI 1: 62 cm MAXI 2: 103 cm MAXI 3: 142 cm Depth: 117 cm
WEIGHT	MAXI 1: 730 kg MAXI 2: 1400 kg MAXI 3: 2050 kg

CERTIFICATIONS





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