

CLAI ND

N₂ FLO



“The modular and long life solution for all process plants”

Nitrogen generator



MODELS

N₂ Flo 1

N₂ Flo 2

N₂ Flo 3

N₂ Flo 4



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
- **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* [Nm ³ /h]						
Purity	99,999%	99,99%	99,9%	99,5%	99%	98%	97%
N2 FLO 1	0,2	0,4	0,9	1,5	2	2,4	2,8
N2 FLO 2	0,5	0,8	1,8	2,9	3,6	4,6	5,3
N2 FLO 3	0,7	1,2	2,6	4,3	5,3	6,7	7,8
N2 FLO 4	1	1,7	3,7	5,8	7,2	9,1	10,6
Air/N2 Ratio	6,45	4,80	3,70	2,80	2,65	2,50	2,40

* The flow capacity refers to inlet air nominal conditions: pressure of 8,5 bar, CMS temperature of 20 °C. If the inlet air pressure is different, apply the correction factors reported below.

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	\leq 60 dB (measured at 1 meter from the generator)
OPERATING TEMPERATURE	5 \div 40°C
DIMENSIONS	Height: 118 cm Width: 40 cm Depth: 80 cm
WEIGHT	FLO 1: 92 kg FLO 2: 113 kg FLO 3: 134 kg FLO 4: 155 kg

CERTIFICATIONS





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