## CLAIND

# NS MAX



"The solution for gases autonomy"

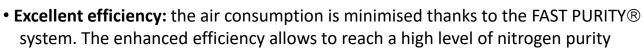
### Nitrogen generator



#### MODELS

N2 Maxi 1 N2 Maxi 2 N2 Maxi 3

#### **TECHNICAL ADVANTAGES**



- 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* [Nm <sup>3</sup> /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  |

 $^{\ast}$  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> <li>Air pressure : min 6,5 / max 13 bar</li> <li>Quality: dry, clean, exhalation free. The inlet air must meet<br/>the specifications ISO 8573-1, class quality 1.4.1</li> </ul> |  |  |  |
| 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 ± 10% 50 Hz<br>115 Vac ± 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 ÷ 40°C  |  |  |  |
| PNEUMATIC CONNECTIONS      | G 1" F Aria Ingresso ed Azoto to Tank + 4 mm AR da Tank   |  |  |  |
| DIMENSIONS                 | Height: 207,5 cm<br>Width: MAXI 1: 62 cm<br>MAXI 2: 103 cm<br>MAXI 3: 142 cm<br>Depth: 117 cm   |  |  |  |
| WEIGHT                     | MAXI 1: 730 kg<br>MAXI 2: 1400 kg<br>MAXI 3: 2050 kg  |  |  |  |

#### CERTIFICATIONS



(6





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

Tel. +39 0344 56603 Fax +39 0344 56627 Email: <u>info@claind.it</u> Website: <u>www.claind.eu</u>