



# ISOLCELL NITROGEN GENERATORS

## NITROGEN FOR PACKAGING

### COFFEE CAPSULES

**BIALETTI INDUSTRIE SPA**

Coccaglio - Brescia plant



Bialetti Industrie S.p.A. is a leading industrial concern in Italy and one of the main players on international markets. It controls long-standing and well-known brands such as Bialetti, Aeternum, Rondine and CEM. Bialetti Industrie manufactures and markets products in the houseware sector and, in particular, under the Bialetti brand, in the market of coffee preparation products such as traditional coffee makers, electric coffee makers, electric espresso machines, and recently a line of coffee capsules.



#### NITROGEN PLANT FEATURES:

- 1 Model 2D8 Nitrogen Generator
- Total flow rate 92 Nm<sup>3</sup>/h
- Food-grade Nitrogen E941 purity 99.9%

## THE REQUIREMENTS ADDRESSED

Bialetti uses **nitrogen** for the production of single-serve coffee capsules. The coffee is enclosed in plastic or aluminum packaging to preserve and retain its aromas. **During packaging, nitrogen is injected into the capsules to remove oxygen.** After initially using cryogenic nitrogen, the customer decided to switch to **self-produced nitrogen** to reduce costs and free itself from binding supply contracts with high and variable costs.



## ISOLCELL NITROGEN GENERATOR THE ECONOMICAL AND SAFE SOLUTION

In early 2019, Bialetti contacted us to evaluate the purchase of a nitrogen generator.

Right from our initial meetings, the company expressed its desire to focus on very high quality criteria, favoring a system capable of producing **high purity nitrogen** that is constantly monitored through our remote control system.

In the spring of 2020, the system was commissioned, proving the quality and reliability of the completed system.



## 2020

Start-up of a new plant for the production of food-grade nitrogen.

Model	Quantity	Nitrogen flow rate	O <sub>2</sub> content	Accessories
PSA 2D8	1	92 m <sup>3</sup> /h	0.1%	Compressed air system, air quality monitoring system and remote control