

# NITROGEN GENERATOR IMT PNC OnGo

**NEW**


PNC ONGO - HIGHEST EFFICIENCY IN THE SELF-SUFFICIENT N<sub>2</sub> SUPPLY

The INMATEC OnGo nitrogen technology supplies nitrogen with a purity of up to 5.0 / 10 ppm (residual oxygen) and in quantities of 10,7 - 1.424,8 Nm<sup>3</sup>/h.

## PERMANENT N<sub>2</sub> SUPPLY

### PROCESS:

The IMT PNC OnGo uses PSA (Pressure Swing Adsorption) to separate the nitrogen molecules from the oxygen molecules. This generates a constant stream of high-quality N<sub>2</sub>.

The PNC process increases the efficiency and saves costs for energy due to the latest Flow Technique and an Innovative Rotator Engineering! This enables the system to generate more nitrogen while needing less compressed air.

## ONSITE IS OUR WORLD

### ADVANTAGES:

- Plug and Play: Easy and Constant N<sub>2</sub> Self Supply
- Constant Measurement of the N<sub>2</sub> Purity and the Outlet Pressure
- Low-Maintenance, Compact Design
- Easy to Use with Touch Control Panel S
- Highest Efficiency



### Options:

- Redundant
- Modular Extension
- Filtration
- Flow Measurement
- Pressure Dew Point
- Inlet Pressure Sensor
- Temperature Sensor





# NITROGEN GENERATOR

## IMT PNC OnGo

### Compressed Air Specifications

Temperature Range: +5° C to +50° C

Air Quality: ISO 8573.1, Class 1: Dirt and Oil, Class 4: Water

Pressure Dew Point: +3° C

### Ambient Conditions

Temperature Range: +5° C to +40° C

### Technical Data

Electric Supply: 230 V / 50 Hz (110 V / 60 Hz)

Power Consumption: 150 W

Protection Class: IP 54

Noise Level: From 55 to max. 78 dB(A)

Operating Pressure: Up to 11 bar (Standard: 7 bar)



ISO 9001:2015

Certified quality management system in accordance with ISO 9001:2015.

### Capacity (Nm<sup>3</sup>/h)

| Nitrogen Content Quality      | 95%     | 97%     | 98%     | 99%   | 99.5% | 99.9% | 99.99% | 99.995% | 99.999% |
|-------------------------------|---------|---------|---------|-------|-------|-------|--------|---------|---------|
| Residual O <sub>2</sub> (PPM) |         |         |         | 2.0   | 2.5   | 3.0   | 4.0    | 4.5     | 5.0     |
|                               |         |         |         |       |       | 1,000 | 100    | 50      | 10      |
| IMT PNC 9000 OnGo             | 122,1   | 104,9   | 93,6    | 71,7  | 58,4  | 37,6  | 23,6   | 16,8    | 10,7    |
| IMT PNC 9100 OnGo             | 145,6   | 127,6   | 108,1   | 87,5  | 73,0  | 48,2  | 27,9   | 21,0    | 14,2    |
| IMT PNC 9200 OnGo             | 219,4   | 191,7   | 161,1   | 129,8 | 109,5 | 71,9  | 41,8   | 31,5    | 21,3    |
| IMT PNC 9300 OnGo             | 270,8   | 236,8   | 206,8   | 161,4 | 135,1 | 91,3  | 50,5   | 38,5    | 26,5    |
| IMT PNC 9400 OnGo             | 387,7   | 339,5   | 296,8   | 232,3 | 193,5 | 128,0 | 74,1   | 56,0    | 38,0    |
| IMT PNC 9500 OnGo             | 459,6   | 402,6   | 352,3   | 276,2 | 230,0 | 151,5 | 88,0   | 66,5    | 45,0    |
| IMT PNC 9600 OnGo             | 655,2   | 528,1   | 503,5   | 393,5 | 328,5 | 216,8 | 125,7  | 94,8    | 64,0    |
| IMT PNC 9700 OnGo             | 950,0   | 831,6   | 727,6   | 569,0 | 474,6 | 312,9 | 181,0  | 137,0   | 93,0    |
| IMT PNC 9800 OnGo             | 1.187,3 | 1.039,5 | 910,0   | 711,2 | 608,3 | 391,6 | 226,7  | 171,3   | 116,0   |
| IMT PNC 9900 OnGo             | 1.424,8 | 1.247,4 | 1.091,5 | 853,5 | 730,1 | 470,2 | 272,5  | 206,2   | 140,0   |