

# NITROGEN GENERATOR

## IMT PN OnGo

### PN ONGO - YOUR FIRST STEP INTO THE N<sub>2</sub> SELF-SUPPLY

The INMATEC OnGo nitrogen technology supplies nitrogen with a purity of up to 5.0 / 10 ppm (residual oxygen) and in quantities of 0,4 - 84 Nm<sup>3</sup>/h.

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

#### PROCESS:

The IMT PN 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>.

### 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



#### Options:

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





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### 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 PN OnGo 1150	5,7	4,7	4,1	3,2	2,6	1,6	0,9	0,7	0,4
IMT PN OnGo 1250	10,8	8,7	7,9	5,8	5,1	3,2	1,3	1,1	0,9
IMT PN OnGo 1280	16,5	13,4	12,0	9,0	7,7	4,8	2,4	1,8	1,3
IMT PN OnGo 1350	20,8	17,1	15,8	12,6	9,5	6,3	3,2	2,5	1,8
IMT PN OnGo 1450	31,2	25,6	23,7	18,9	14,2	9,5	4,8	3,6	2,4
IMT PN OnGo 1550	49,2	40,1	35,6	28,4	22,1	12,6	6,3	4,8	3,2
IMT PN OnGo 1650	84,0	59,9	53,8	46,6	37,8	23,2	11,7	8,8	5,8