

> PSA-TECHNOLOGY

[www.CompressedAirSystems.com](http://www.CompressedAirSystems.com)

NITROGEN-GENERATOR

# IMT-PN OnGo



> ONGO – THE FIRST STEPS TO YOUR OWN N<sub>2</sub> SUPPLY

INMATEC OnGo nitrogen technology produces a purity of up to 4.0/100 ppm (residual oxygen) and quantities of 0.9 – 105 Nm<sup>3</sup>/h.

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

### PROCESS:

The INMATEC pressure swing adsorption process separates the nitrogen molecules from the oxygen molecules. The high-purity nitrogen can now be used in a wide range of applications.

### BENEFITS:

- plug and play – simple and constant nitrogen supply
- constant measurement of nitrogen purity
- savings from the very first minute
- low-maintenance, compact design

> ONSITE IS OUR WORLD



Option:

Inlet and outlet filtration





### Calculation of the compressed air requirements

Multiplying the nitrogen capacity by the air factor indicated below gives the compressed air requirements.

Nitrogen content (%)	95,00	97,00	98,00	99,00	99,50	99,90	99,99
Air factor	1,9	2,1	2,3	2,5	2,9	3,9	5,5

### Compressed air specification

Temperature range: +5 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 dimensions and connections

Dimensions H x W x D (mm): 1645 x 810 x 680 (PN 1150 up to PN 1350)  
1765 x 810 x 680 (PN 1450)  
1765 x 1100 x 780 (PN 1550)  
1855 x 1100 x 780 (PN 1650)  
2025 x 1100 x 780 (PN 1750)  
from PN 2000 dimensions on request



ISO 9001:2008

Operating pressure: 11 bar max.  
Electrical connection: 110-230 V/60-50 Hz (shock-proof plug)  
Noise level: from 55 to max. 78 dB(A)

Certified in accordance with ISO 9001:2008 and in accordance with Pressure Equipment Directive 93/27/EC

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

Nitrogen content (%)	95,0	97,0	98,0	99,0	99,5	99,9	99,99
Quality				2,0	2,5	3,0	4,0
Residual O <sub>2</sub> (PPM)				10.000	5.000	1.000	100
IMT-PN OnGo 1150	5,7	4,7	4,1	3,2	2,6	1,6	0,9
IMT-PN OnGo 1250	10,8	8,7	7,9	5,8	5,1	3,2	1,3
IMT-PN OnGo 1280	16,5	13,4	12,0	9,0	7,7	4,8	2,4
IMT-PN OnGo 1350	20,8	17,1	15,8	12,6	9,5	6,3	3,2
IMT-PN OnGo 1450	31,2	25,6	23,7	18,9	14,2	9,5	4,8
IMT-PN OnGo 1550	49,2	40,1	35,6	28,4	22,1	12,6	6,3
IMT-PN OnGo 1650	84,0	59,9	53,8	46,6	37,8	23,2	11,7
IMT-PN OnGo 1750	105,0	84,0	76,0	64,0	51,8	32,6	16,5
IMT-PN OnGo 2000	140,7	116,5	98,3	77,5	63,0	38,8	19,4
IMT-PN OnGo 2150	211,1	174,3	146,5	115,0	94,5	57,8	29,0
IMT-PN OnGo 2250	260,4	215,3	188,0	143,9	116,6	73,4	35,8
IMT-PN OnGo 3000	372,8	308,7	269,9	205,8	167,0	102,9	51,4
IMT-PN OnGo 4000	442,1	366,5	320,3	244,7	198,5	121,8	60,9
IMT-PN OnGo 5000	630,0	522,9	457,8	348,6	283,5	174,3	87,2
IMT-PN OnGo 6000	913,5	756,0	661,5	504,0	409,5	252,0	126,0
IMT-PN OnGo 8000	1370,3	1134,0	992,3	756,0	630,0	378,0	189,0

All values apply at 7 bar inlet pressure and 20°C ambient temperature.