

NEW!



# 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





# NITROGEN-GENERATOR

## IMT-PN OnGo

### 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): 810 x 690 x 1660 (PN-1150 and PN-1450)  
960 x 690 x 2450 (PN-1550 and PN-1750)

Operating pressure: 11 bar  
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



ISO 9001:2008

### 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 1150 | 5,70   | 4,70  | 4,10  | 3,20  | 2,60  | 1,60  | 0,90  |
| IMT-PN 1250 | 10,80  | 8,70  | 7,90  | 5,80  | 5,10  | 3,20  | 1,30  |
| IMT-PN 1280 | 16,50  | 13,40 | 12,00 | 9,00  | 7,70  | 4,80  | 2,40  |
| IMT-PN 1350 | 20,80  | 17,10 | 15,80 | 12,60 | 9,50  | 6,30  | 3,20  |
| IMT-PN 1450 | 31,20  | 25,60 | 23,70 | 18,90 | 14,20 | 9,50  | 4,80  |
| IMT-PN 1550 | 49,20  | 40,10 | 35,60 | 28,40 | 22,10 | 12,60 | 6,30  |
| IMT-PN 1650 | 84,00  | 59,90 | 53,80 | 46,60 | 37,80 | 23,20 | 11,70 |
| IMT-PN 1750 | 105,00 | 84,00 | 76,00 | 64,00 | 51,80 | 32,60 | 16,50 |